


TWO HUNDRED AND SEVENTY-FOURTH YEAR



1966-1967

The College of
William and Mary
IN VIRGINIA



The image shows a faint, embossed version of the Coat of Arms of the College of William and Mary. It features a shield with a ship, a sun, and a star, surrounded by a wreath and a ribbon with a motto. Above the shield is a crest with a bent arm holding a sword. The entire emblem is encircled by a decorative border.

THE COVER: Embossed on the cover is The Coat of Arms granted to the College by the College of Heralds, May 14, 1694.

Bulletin of The College of William and Mary—Catalogue Issue
Vol. 61, No. 7 April, 1967

Entered at the Post-Office at Williamsburg, Virginia, July 3, 1926, under an Act of August 24, 1912, as second-class matter. Issued eleven times: two issues in January, one issue in February, two issues in March, two issues in April, one issue in June, one issue in August, one issue in September, and one in December.



Bulletin of The College of William and Mary in Virginia

VOLUME 61

APRIL 1967

NUMBER 7

TWO HUNDRED AND SEVENTY-FOURTH YEAR
1966-1967

Announcements, Session 1967-1968

WILLIAMSBURG, VIRGINIA



Symbol of longevity—the Wren Building weathervane

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COLLEGE CALENDAR

1967-1968

1967

FIRST SEMESTER

- September 10-13* Orientation Period (Sunday-Wednesday)
September 14 Freshman Registration (Thursday)
September 15-16 Registration of all other Students including
 Graduate Students (Friday-Saturday)
September 18 Beginning of Classes: 8 a.m. (Monday)
September 22 Opening Convocation: 11 a.m. (Friday)
September 27 Last Day for Course or Section Changes
 5 p.m. (Wednesday)
November 8 Mid-Semester Reports Filed with Registrar:
 9 a.m. (Wednesday)
November 18 Homecoming Day, a Holiday (Saturday)
November 22 Beginning of Thanksgiving Holiday: 1 p.m.
 (Wednesday)
November 27 End of Thanksgiving Holiday: 8 a.m. (Mon-
 day)
December 16 Beginning of Christmas Recess: 1 p.m. (Sat-
 urday)

1968

- January 3* End of Christmas Recess: 8 a.m. (Wednes-
 day)
January 12 End of Classes: 5 p.m. (Friday)
January 15-26 Semester Examinations: (Monday-Friday)

SECOND SEMESTER

- January 31-February 1* Registration of all Students (Wednesday-
 Thursday)
February 2 Beginning of Classes: 8 a.m. (Friday)
February 10 Charter Day Convocation, 275th Anniversary:
 11 a.m. (Saturday)
February 13 Last Day for Course or Section Changes
 5 p.m. (Tuesday)
March 27 Mid-Semester Reports Filed with Registrar
 (Wednesday)
March 29 Beginning of Spring Recess: 5 p.m. (Friday)
April 8 End of Spring Recess: 8 a.m. (Monday)
April 25 Spring Convocation: 11 a.m. (Thursday)

May 4 Parents' Day (Saturday)
 May 21 End of Classes: 6 p.m. (Tuesday)
 May 24-June 5 Final Examination Period (Friday-Wednesday)
 June 9 Commencement Day (Sunday)
 SUMMER SESSION
 June 17 Beginning of Summer Session—First Term (Monday)
 July 19 End of First Term (Friday)
 July 22 Beginning of Second Term (Monday)
 August 23 End of Second Term (Friday)

1967

JANUARY							FEBRUARY							MARCH							APRIL						
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1968

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The Presidents of The College of William and Mary in Virginia

<i>James Blair</i> , 1693-1743	<i>Thomas Roderick Derw</i> , 1836-1846
<i>William Dawson</i> , 1743-1752	<i>Robert Saunders</i> , 1847-1848
<i>William Stith</i> , 1752-1755	<i>Benjamin S. Ewell</i> , 1848-1849
<i>Thomas Dawson</i> , 1755-1760	<i>John Johns</i> , 1849-1854
<i>William Yates</i> , 1761-1764	<i>Benjamin S. Ewell</i> , 1854-1888
<i>James Horrocks</i> , 1764-1771	<i>Lyon G. Tyler</i> , 1888-1919
<i>John Camm</i> , 1771-1777	<i>Julian A. C. Chandler</i> , 1919- 1934
<i>James Madison</i> , 1777-1812	<i>John Stewart Bryan</i> , 1934- 1942
<i>John Bracken</i> , 1812-1814	
<i>John Augustine Smith</i> , 1814- 1826	<i>John Edwin Promfret</i> , 1942- 1951
<i>William H. Wilmer</i> , 1826- 1827	<i>Alvin Duke Chandler</i> , 1951- 1960
<i>Adam Empie</i> , 1827-1836	<i>Davis Young Paschall</i> , 1960-

The Chancellors of The College of William and Mary in Virginia

Henry Compton, Bishop of London, 1693-1700

Thomas Tenison, Archbishop of Canterbury, 1700-1707

Henry Compton, Bishop of London, 1707-1713

John Robinson, Bishop of London, 1714-1721

William Wake, Archbishop of Canterbury, 1721-1729

Edmund Gibson, Bishop of London, 1729-1736

William Wake, Archbishop of Canterbury, 1736-1737

Edmund Gibson, Bishop of London, 1737-1748

Thomas Sherlock, Bishop of London, 1749-1761

Thomas Hayter, Bishop of London, 1762

Charles Wyndham, Earl of Egremont, 1762-1763

Philip Yorke, Earl of Hardwicke, 1764

Richard Terrick, Bishop of London, 1764-1776

*George Washington, First President of the United States,
1788-1799*

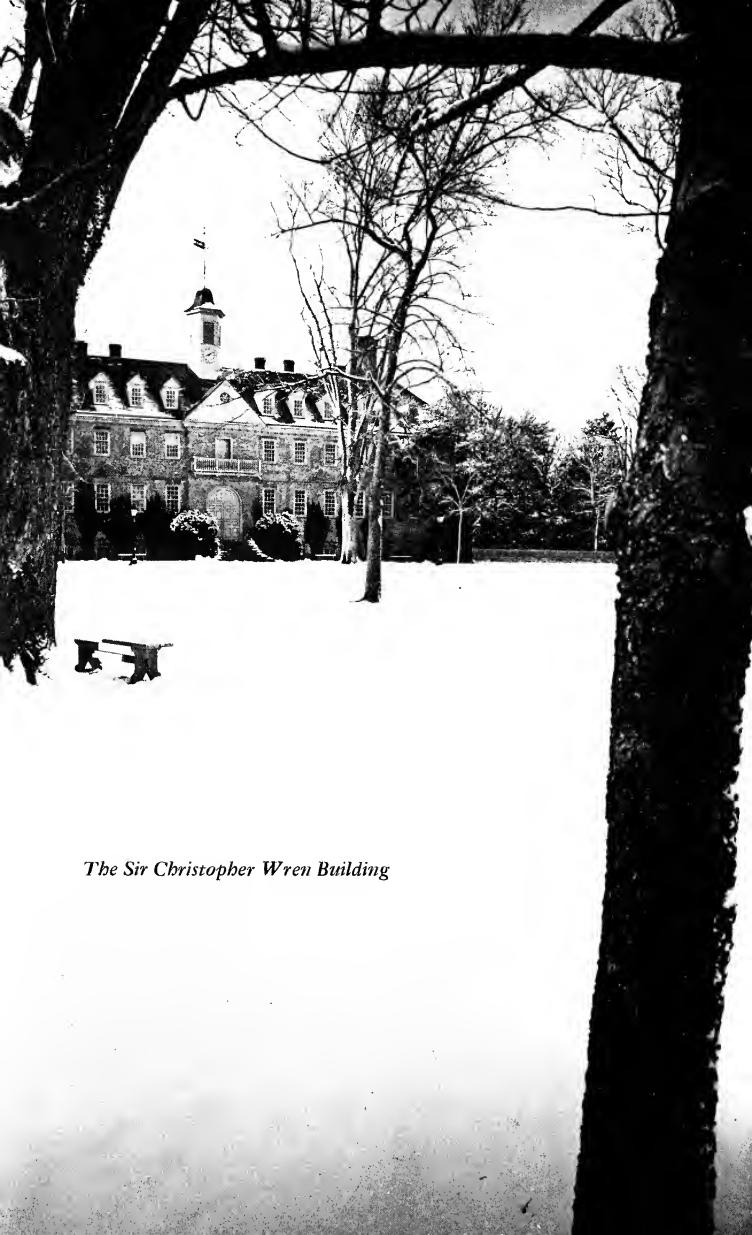
John Tyler, Tenth President of the United States, 1859-1862

Hugh Blair Grigsby, Historian, 1871-1881

*John Stewart Bryan, Twentieth President of the
College of William and Mary, 1942-1944*

Colgate W. Darden, Jr., Governor of Virginia, 1946-1947

*Alvin Duke Chandler, Twenty-second President of the
College of William and Mary, 1962-*



The Sir Christopher Wren Building

HISTORY OF THE COLLEGE

A FEW YEARS after the founding of Jamestown, a movement was started in England and in Virginia to establish a college, and its construction actually was begun at the city of Henrico on the James River, ten miles below the present city of Richmond. The Indian massacre of 1622 disrupted these plans, but the idea persisted. In 1661, the General Assembly of Virginia provided for the establishment of a "Colledge," but the plan was not carried out; it was not until 1693 that the College of William and Mary in Virginia was chartered by the joint sovereigns whose names it bears. The Bishop of London was named its first chancellor, and Reverend James Blair became the first president, occupying this office until his death fifty years later. In 1695, while Jamestown was still the capital of Virginia, construction of the new college was begun at Middle Plantation, located midway between the James and York rivers. The Wren Building, the oldest academic building in continuous use in the United States, was constructed from plans supplied by Sir Christopher Wren, and for many years it provided living quarters and classroom facilities for the entire college. From 1700 to 1705, it was the meeting place for the General Assembly of Virginia. In 1699, Middle Plantation became Williamsburg and the capital of Virginia.

Holding a royal charter, with arms granted by the College of Heralds, the College of William and Mary enjoyed the benefit of royal favor and of the deep interest of the General Assembly of Virginia, which granted it the income from certain import and export duties. Until the American Revolution, it was, perhaps, the wealthiest college in America. While the charter provided for a president and six masters, or professors, it was not until 1729 that all these professorships were established. The chairs were: Divinity, Philosophy, Oriental Languages, Mathematics, Grammar School, and the Indian School. The Indian School, endowed from a large estate which Robert Boyle, the eminent English physicist and formulator of "Boyle's Law," left for "pious and religious uses," was housed in the Brafferton, built in 1723, and named for a manor in Yorkshire, from which most of its revenue was derived. The Indian School languished, however,

and failed to survive the Revolution. In 1705, the Wren Building was destroyed by fire. It was rebuilt on the original foundation and completed about 1716. In 1732, the chapel wing of the Wren Building was opened, and the foundation of the President's House was laid. In 1776, Phi Beta Kappa, the first Greek-letter fraternity in an American college, was founded by a group of students in the College. In 1779, the first Honor System was instituted, and in the same year came the sharpest break with academic tradition. Under the influence of Thomas Jefferson, then Governor of Virginia, the curriculum was severely revised: a school of law was established, the first school of law in America and the second in the English-speaking world; the old departments were replaced by professorships of Anatomy and Medicine, Natural Philosophy and Mathematics, Moral Philosophy and Fine Arts, and Modern Languages.

When the Colonies resisted the policies of the British Crown, William and Mary, although wealthy and under royal patronage, chose to risk the loss of material substance for principle. Taking an active part in the events accompanying the Revolution and the founding of the Republic, the College supplied such leaders as Thomas Jefferson, James Monroe, Peyton Randolph, Richard Bland, John Marshall, and Benjamin Harrison to the cause of Independence. Although George Washington never attended William and Mary, he received his surveyor's commission from the College, and served as its chancellor from 1789 until his death.

In 1781, during the memorable Yorktown campaign, academic life was interrupted temporarily, the buildings being occupied, in turn, by the Army of Cornwallis and by our French allies. The President's House, built in 1732, and occupied by every President of the College, was accidentally burned, in part, by the French troops. It was later restored by Louis XVI.

Following the war, William and Mary was seriously impoverished by the loss of its invested funds and of the income from duties granted by the General Assembly of Virginia. Under the able administration of Bishop James Madison, cousin to President James Madison, the College recovered rapidly, and during the presidency of Thomas Roderick Dew (1836-46) reached its peak enrollment until comparatively recent times. In 1854, Ben-

jamin Stoddert Ewell became President. On the 166th anniversary of the founding, the interior of the Wren Building was burned a second time; some early documents, including the original charter, all of the library, and the chemical laboratory, were destroyed.

With the advent of war in 1861, the College closed, and the President, faculty, and student body entered the Confederate service. Again the academic halls echoed to the tramp of soldiers, the buildings being occupied successively by both the Confederate and Union armies. In 1862, the Wren Building was burned a third time when Union troops, acting without orders, set fire to the structure. With the return of peace in 1865, the College was reopened by President Ewell. With resources gone, students and faculty scattered, the main building with the library burned, William and Mary was an example of the devastation of war. Heroically, Colonel Ewell fought an apparently losing fight, and although somewhat rehabilitated, the College was forced, in 1881, to suspend operations for lack of funds. The charter was kept alive by President Ewell, who rang the College bell to mark the opening of every term, though only a handful of students remained for gratuitous instruction.

In 1888, with a State grant of \$10,000 the College revived under the presidency of Lyon G. Tyler, son of John Tyler, former President of the United States. In 1906, it became a State institution, and its control was placed under a Board of Visitors appointed by the Governor of Virginia. It became coeducational in 1918. During the administration of Julian Alvin Carroll Chandler (1919-1934), an alumnus, the facilities were increased tenfold, the student body growing from 130 to 1,300, with a faculty of nearly one hundred. The College also expanded to include a Division in Richmond (1925), now the Richmond Professional Institute, and a Norfolk Division (1930).

Between 1928 and 1932 the three earliest buildings, the Wren Building, the Brafferton, and the President's House, were restored to their original appearance through the generosity of John D. Rockefeller, Jr.

President Chandler was succeeded, in 1934, by John Stewart Bryan as the twentieth President, who continued the expansion of the facilities of the College. Shortly after the United States entered the Second World War, Mr. Bryan retired, to become

the fourth American chancellor. He was followed by President John Edwin Pomfret, who guided William and Mary through the grim days of the war-years. For a period the ancient walls resounded to the marching feet of an Army Specialized Training Program unit. A school for the training of Naval Chaplains was established on the campus and continued to the end of the war. The College experienced the general abnormal expansion following 1946, when the returning veterans increased the enrollment, for a time, to slightly over the 2,000 mark. In 1943, the Institute of Early American History and Culture was formed by the union of the historical resources of the College and Colonial Williamsburg, Inc. This organization of scholars is devoted to study and research in Colonial American history; its purpose is "to promote sound interpretation of the American heritage on all levels."

President Pomfret was followed by Vice Admiral Alvin Duke Chandler, who became the twenty-second President in October, 1951. In September, 1954, the Department of Jurisprudence became the Marshall-Wythe School of Law.

The General Assembly of Virginia at the 1960 Session established the system, The Colleges of William and Mary, and provided for an expanded Board of Visitors and the appointment of a Chancellor. Under this new system the College retained its ancient and official name, *The College of William and Mary in Virginia*. The other colleges, separate but integral parts of the system were: The Richmond Professional Institute, Richmond, The Norfolk College of William and Mary, Norfolk, Christopher Newport College, Newport News, and Richard Bland College in Southside (Petersburg area), the latter two institutions being two-year colleges.

Alvin Duke Chandler, who was appointed Chancellor of the new system, was succeeded on August 16, 1960, by Davis Y. Paschall who became the twenty-third President of the College. In 1961, the Department of Education became the School of Education and the Department of Marine Science became the School of Marine Science.

Legislation enacted at the 1962 session of the General Assembly disestablished the system, The Colleges of William and Mary, and reconstituted the four-year colleges, The Richmond Professional Institute and the Norfolk College of William and Mary,

as independent institutions under control of separate boards. It was further provided that the two-year colleges at Newport News and Petersburg be supervised by a coordinator under the jurisdiction of the Board of Visitors, and that the ancient College of William and Mary be continued independently and encouraged to strengthen its program in the liberal arts and sciences, and develop the advanced professional and graduate programs appropriate to its tradition and competence.

After passing through the three fires, the War of the Revolution, the War of 1861, and the economic chaos that followed both, William and Mary has survived, and today, in the unique setting of Williamsburg, with the cultural heritage of the past, and a clear academic vision for the future, it serves Virginia and the nation as it originally served Virginia and the Crown.

So intimately associated is the name of William and Mary with the names of famous Americans, that its history forms an important part of the history of the nation. Among the distinguished William and Mary names in the years subsequent to the greatest flowering of the eighteenth century are those of John Tyler, President of the United States; John Randolph of Roanoke; Philip Pendleton Barbour; William T. Barry; Alexander H. H. Stuart; William Cabell Rives; John T. Crittenden, author of the Crittenden Compromise; Lieutenant General Winfield Scott, hero of the Mexican War and Commander of the Army of the United States in 1861; Edmund Ruffin, famous Southern agriculturist; James M. Mason of "Mason and Slidell" fame; William B. Taliaferro, Major General, C. S. A.; William Barton Rogers, founder of the Massachusetts Institute of Technology; James Branch Cabell; Admiral Cary T. Grayson, and Admiral John L. Hall, Jr. The roll of fame of William and Mary includes the first president and fifteen members of the Continental Congress, four signers of the Declaration of Independence, three presidents of the United States, one chief justice and three associate justices of the Supreme Court, thirteen Cabinet members, twenty-nine senators, three speakers and fifty-five members of the House of Representatives, eighteen foreign ministers, one lieutenant general, twenty-two governors of Virginia, twenty-two judges of the Virginia Supreme Court of Appeals, besides many others distinguished in civil and military life, in letters, science, education, and the church.

THE HONOR SYSTEM

History

Among the most treasured traditions of the College of William and Mary is the student-administered plan of discipline known as the Honor System. The essence of the Honor System is individual responsibility in all matters involving the student's honor, and the System assumes that every student is concerned with the strict observance of the principles of honorable conduct which he upon matriculation pledges to uphold, for his own sake, for the sake of his fellow students, and for the College.

The evolution of the Honor System over the years to its present form is best understood when considered against the background of changes in the character of the College itself. The College originally combined the higher school with a grammar school and served almost exclusively the sons of Gentlemen of the planter aristocracy, who took pride in their reputation as men of honor. The students formed a small, closely knit group, at times numbering fewer than a hundred; and a violation of the College code of discipline was punished by ostracism. Because of the existence of this gentleman's code of honor that characterized life and conduct at the College from its beginnings, it is difficult to pinpoint a specific date marking the beginning of the Honor System as a system. It was assuredly emerging in one form or another prior to 1779, when the College was reorganized under Jefferson's leadership, the year often claimed for its official establishment; and minor details of administration have changed from time to time to meet contemporary needs and conditions.

As the College has grown in size and complexity, the student body has become less and less the homogeneous group which characterized the earlier years, particularly to the latter part of the nineteenth century. The College no longer serves exclusively young men from restricted or provincial areas of social and economic life, but it is a co-educational institution serving several thousand students from all parts of the United States and from foreign countries. It is accepted that honor and responsibility are not absolute, intrinsic human values, but are acquired in a specific environment and are, therefore, relative to that environment.

As a relative value, honor means many different things to many different people. Today, for immediate purposes within the College community, its applications are restricted to four specific areas—lying, stealing, cheating, and failure to report an infraction of which one has firsthand knowledge. This restriction of definition enables the theoretic concept of honor to be applied on a particular level within a heterogeneous body.

Meaning.

As numerous bulletins state, the discipline of the College was entirely “in the hands of the President and faculty” until the twentieth century, when student government was instituted at William and Mary. Today the Honor System is student administered through elected councils.

Whereas the present administration of the Honor System by the students through elected councils evolved during the 1920's, the spirit and essence of the Honor System have historically threaded the years undisturbed and, guarded jealously, have remained intact.



The Brafferton Building

OFFICERS OF THE COLLEGE

Board of Visitors

W. BROOKS GEORGE
JOHN P. HARPER
WALTER G. MASON

Rector
Vice Rector
Secretary

TERM EXPIRES MARCH 6, 1968

FRANK W. COX	Virginia Beach, Virginia
W. BROOKS GEORGE	Richmond, Virginia
ERNEST GOODRICH	Surry, Virginia
JOHN P. HARPER	Norfolk, Virginia
CHARLES K. HUTCHENS	Newport News, Virginia
THOMAS B. STANLEY	Stanleytown, Virginia
H. HUDNALL WARE, JR.	Richmond, Virginia

TERM EXPIRES MARCH 6, 1970

R. WILLIAM ARTHUR	Wytheville, Virginia
MRS. ROBERT V. H. DUNCAN	Alexandria, Virginia
MRS. VERNON M. GEDDY	Williamsburg, Virginia
C. STERLING HUTCHESON	Boydton, Virginia
E. RALPH JAMES	Hampton, Virginia
WALTER G. MASON	Lynchburg, Virginia
BLAKE T. NEWTON, JR.	New York, New York
WALTER S. ROBERTSON	Richmond, Virginia
WILLIAM R. SAVAGE, JR.	Suffolk, Virginia
J. E. ZOLLINGER	Fort Lauderdale, Florida

Standing Committees of the Board of Visitors

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Office of the President

DAVIS Y. PASCHALL	<i>President</i>
W. MELVILLE JONES	<i>Dean of the College</i>
JERRY VAN VOORHIS	<i>Administrative Assistant</i>

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W. MELVILLE JONES	<i>Dean of the College</i>
HAROLD L. FOWLER	<i>Dean of the Faculty</i>
ROBERT A. JOHNSTON	<i>Associate Dean of the Faculty</i>
ROBERT T. SIEGEL	<i>Dean of Graduate Studies</i>
P. WARREN HEEMANN	<i>Coordinator of Research</i>
WILLIAM C. POLLARD	<i>Librarian</i>
DONALD J. HERRIANN	<i>Director of the Evening Session and Summer Session</i>
RAYMOND W. SOUTHWORTH	<i>Director of the Computer Center</i>
E. LEON LOONEY	<i>Director of Extension</i>
DUDLEY M. JENSEN	<i>Registrar</i>
ELIZABETH R. STEARNS	<i>Assistant Registrar</i>

Marshall-Wythe School of Law

JOSEPH CURTIS	<i>Dean</i>
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School of Education

ROBERT O. NELSON

Acting Dean

School of Marine Science

WILLIAM J. HARGIS, JR.

Dean

Business and Plant Administration

ROBERT T. ENGLISH, JR.

Bursar

VERNON L. NUNN

Treasurer-Auditor

FLOYD WHITAKER

Internal Auditor

ERVIN D. FARMER

Superintendent of Buildings and Grounds

CHARLES E. CHANDLER

Director of Purchase and Stores

DENNIS K. COGLE

Personnel Supervisor

Admissions

ROBERT P. HUNT

Dean of Admissions

REX TILLOTSON

Director of Admissions for Men

HARRIET E. REID

Director of Admissions for Women

Student Personnel Administration

J. WILFRED LAMBERT

Dean of Students

CARSON H. BARNES, JR.

Dean of Men

ROBERT W. SQUATRIGLIA

Assistant Dean of Men

BIRDENA E. DONALDSON

Dean of Women

MRS. SANDRA FARNSWORTH

Assistant Dean of Women

ROBERT E. DEBORD, M.D.

College Physician

JOSEPH D. BROWN, III, M.D.

College Physician

JOHN C. BRIGHT

Director, Student Aid and Placement

WARREN J. GREEN

Director of the Campus Center

Development and Public Information

JAMES S. KELLY

*Director of Development and**Executive Secretary, Society of the Alumni*

ROSS L. WEEKS, JR.

Director of Public Information

Athletics

H. LESTER HOOKER, JR.

Director of Athletics

INSTRUCTIONAL STAFF¹

DAVIS Y. PASCHALL (1960, 1960), *President of the College*. A.B., M.A., College of William and Mary; Ed.D., University of Virginia.

MARTHA ELIZABETH BARKSDALE (1936, 1921), *Associate Professor of Physical Education for Women, Emeritus*. O.D., Gymnastic Peoples College, Ollerup, Denmark; A.B. and M.A., College of William and Mary.

EMILY ELEANOR CALKINS (1953, 1927), *Associate Professor of Mathematics, Emeritus*. A.B., College of William and Mary; M.A., University of Michigan.

JAMES DAVID CARTER, JR. (1930, 1927), *Associate Professor of Modern Languages, Emeritus*. A.B., College of William and Mary; Docteur de l'Universite de Toulouse.

GRAVES GLENWOOD CLARK (1953, 1920), *Chancellor Professor of English, Emeritus*. A.B., University of Richmond, LL.B., Richmond College; M. A., Columbia University.

JOSEPH M. CORMACK (1946, 1946), *Professor of Law, Emeritus*. A.B., Northwestern University; LL.B. and J.S.D., Yale University.

ALBERT PETTIGREW ELLIOTT (1957, 1957), *Lecturer in English, Emeritus*. A.B. and M.A., College of William and Mary; M.A., University of North Carolina; Ph.D., University of Pennsylvania.

WAYNE FULTON GIBBS (1931, 1926), *Professor of Accountancy, Emeritus*. B.S. and M.S., University of Illinois; C.P.A.

ANDREW C. HAIGH (1958, 1944), *Professor of Music, Emeritus*. A.B., University of Michigan; M.A. and Ph.D., Harvard University.

¹The first date indicates the year when the present rank was attained; the second date the year when the individual was first appointed to the instructional staff. A third date indicates the year of reappointment. All changes in the Faculty that occurred in the session 1964-1965 are included in this list.

- ALTHEA HUNT (1955, 1926), *Professor of Fine Arts, Emeritus*. A.B., Allegheny College; M.A., Radcliffe College; Litt.D., Allegheny College.
- JEAN STEWART MAJOR (1928, 1928), *Associate Professor of Home Economics, Emeritus*. B.S. and M.A., Columbia University.
- RICHARD LEE MORTON (1921, 1919), *Chancellor Professor of History, Emeritus*. A.B., Hampden-Sydney College; M.A., University of Virginia and Harvard University; Ph.D., University of Virginia; Litt.D., Hampden-Sydney College; LL.D., College of William and Mary.
- SHIRLEY DONALD SOUTHWORTH (1928, 1927), *Professor of Economics, Emeritus*. A.B., M.A., and Ph.D., Princeton University.
- ALBION GUILFORD TAYLOR (1928, 1927), *Chancellor Professor of Political Economy, Emeritus*. A.B., Des Moines University; M.A., University of Nebraska; Ph.D., University of Illinois.
- ANTHONY PELZER WAGENER (1929, 1929), *Chancellor Professor of Ancient Languages, Emeritus*. A.B., College of Charleston; Ph.D., The Johns Hopkins University.
- MARGARET WINDER (1959, 1948, 1959), *Assistant Professor of Education, Emeritus*. B.S., Madison College; M.A., College of William and Mary.
- DUDLEY WARNER WOODBRIDGE (1932, 1927), *Chancellor Professor of Law, Emeritus*. A.B. and J.D., University of Illinois.
-
- KHAMIS ABDUL-MAGID (1964, 1962), *Associate Professor of Economics*. A.B., American University (Cairo); M.A., University of Texas; Ph.D., University of Pennsylvania.¹
- JOSEPH S. AGEE (1965, 1958), *Assistant Professor of Physical Education for Men*. B.S. and M.Ed., College of William and Mary.
- JOHN J. ALEWYNSE, JR. (1966, 1964), *Assistant Professor of Education*. A.B., Yale University; M.A., Columbia University; M.A., Yale University.

¹On leave of absence, 1966-67.

- NATHAN ALTSHULER (1963, 1960), *Associate Professor of Sociology and Anthropology*. A.B., University of Michigan; Ph.D., Harvard University.
- CHARLES HARPER ANDERSON (1957, 1946), *Lecturer in Law*. A.B. and B.C.L., College of William and Mary; LL.M., University of Virginia.
- JAY D. ANDREWS (1959, 1946), *Professor of Marine Science*. B.S., Kansas State College; M.Ph. and Ph.D., University of Wisconsin.
- JEAN C. ANDREWS (1965, 1965), *Instructor in English*. A.B., Pembroke College; M.A., Columbia University.
- ALFRED R. ARMSTRONG (1961, 1933), *Professor of Chemistry*. B.S. and M.A., College of William and Mary; Ph.D., University of Virginia.
- THOMAS CONNER ATKESON (1954, 1954), *Professor of Taxation*. B.S., M.S. and Ph.D., Georgetown University.
- HARRY E. ATKINSON (1962, 1962), *Lecturer in Law*. George Washington University and F.B.I. National Academy; Law Certificate, Marshall-Wythe School of Law.
- SUE F. AYERS (1966, 1966), *Lecturer in Education*. B.S., Madison College; M.A., Columbia University.
- ELISABETH E. BACKHAUS (1966, 1966), *Instructor in Modern Languages*. A.B., M.A. and Ph.D., University of Connecticut.
- ROBERT SYDNOR BAILEY (1959, 1951), *Assistant Professor of Marine Science*. B.S., Randolph-Macon College; M.S., College of William and Mary.
- JOHN T. BALDWIN, JR. (1946, 1937, 1946), *Professor of Biology*. A.B., College of William and Mary; Ph.D., University of Virginia.
- DONALD L. BALL (1965, 1960), *Assistant Professor of English*. A.B., University of Richmond; M.A., University of Delaware; Ph.D., University of North Carolina.
- CAROL E. BALLINGALL (1965, 1965), *Assistant Professor of Sociology and Anthropology*. A.B., Wayne State University; M.A., University of Chicago.

- J. WORTH BANNER (1965, 1949, 1964), *Professor of Modern Languages*. B.S., Roanoke College; M.A., and Ph.D., University of North Carolina.
- NORMAN F. BARKA (1965, 1965), *Assistant Professor of Sociology and Anthropology*. A.B., Beloit College; M.A. and Ph.D., Harvard University.
- MILDRED BARRETT (1963, 1959), *Assistant Professor of Physical Education for Women*. B.S., Georgia State College for Women; M.A., University of Maryland.
- ROBERT A. BARRY (1966, 1964), *Assistant Professor of Economics*. A.B., Stanford University; M.A., Yale University.
- MARY E. BEATY (1965, 1965), *Instructor in English*. A.B., College of William and Mary; A.B., Oxford University; M.A., University of Michigan.
- LOUIS M. BECK (1965, 1965), *Assistant Professor of Sociology and Anthropology*. A.B., Blackburn College; M.A., Louisiana State University.
- JAMES RUSH BEELER (1964, 1964), *Assistant Professor of Modern Languages*. A.B., M.A. and Ph.D., University of North Carolina.
- JOHN P. BELL (1965, 1965), *Assistant Professor of History*. A.B., Tulane University.
- PAULA M. BELSKIS (1966, 1966), *Instructor in Modern Languages*. A.B. and M.A., Marquette University.
- ROBERT D. BENSE (1966, 1966), *Instructor in English*. A.B., University of Illinois; M.A., Southern Illinois University.
- R. CARLYLE BEYER (1965, 1965), *Professor of History*. A.B., Hamline University; A.B. and M.A., Oxford University; Ph.D., University of Minnesota.
- KENNETH F. BICK (1966, 1961), *Professor of Geology*. B.S., M.S. and Ph.D., Yale University.
- ROBERT E. L. BLACK (1965, 1959), *Professor of Biology and Marine Science*. A.B. and M.A., William Jewell College; Ph.D., University of Washington.

- MORRIS L. BREHMER (1961, 1959), *Professor of Marine Science*. B.S., Eastern Illinois University; M.S. and Ph.D., Michigan State University.
- JOSEPH LANCASTER BRENT, III (1966, 1964), *Associate Professor of History*. A.B., Princeton University; Ph.D., University of California, Los Angeles.
- GARNETT R. BROOKS, JR. (1963, 1962), *Assistant Professor of Biology*. B.S. and M.S., University of Richmond; Ph.D., University of Florida.
- MARION M. BROWN (1966, 1966), *Instructor in Theatre and Speech*. A.B. and M.A., University of California at Los Angeles.
- SIEGFRIED A. BUSS (1966, 1966), *Instructor in Modern Languages*. A.B., Houghton College; M.A., University of Chicago.
- MITCHELL A. BYRD (1963, 1956), *Professor of Biology*. B.S., M.S. and Ph.D., Virginia Polytechnic Institute.
- IAN P. CALLARD (1966, 1966), *Assistant Professor of Biology*. B.S. and Ph.D., The University of Sheffield (England).
- LESTER J. CAPPON (1946, 1945), *Lecturer in History*. A.B. and M.A., University of Wisconsin; M.A. and Ph.D., Harvard University.
- JAMES W. CARPENTER (1966, 1966), *Instructor in Physical Education for Men*. A.B., Ohio Wesleyan University; M.A., Kent State University.
- JANE CARSON (1963, 1963), *Lecturer in History*. A.B., Flora Macdonald College; M.A. and Ph.D., University of Virginia.
- BENJAMIN RALPH CATO (1961, 1955), *Associate Professor of Mathematics*. A.B. and M.A., Duke University.
- BETTY LYNNE CATRON (1966, 1966), *Lecturer in Music*. B.M. and M.M., Millikin University.
- LOUIS E. CATRON (1966, 1966), *Assistant Professor of Theatre and Speech*. A.B., Millikin University; M.S. and Ph.D., Southern Illinois University.
- ROYCE W. CHESSEY (1962, 1962), *Associate Professor of Education*. A. B., Wake Forest; M.Ed., College of William and Mary.

- KEE IL CHOI (1965, 1965), *Assistant Professor of Economics*. A.B., Princeton University; Ph.D., Harvard University.
- PAUL N. CLEM (1959, 1959), *Associate Professor of Education*. A.B., Bridgewater College; M.A. and Ed.D., Michigan State University.
- STEPHEN C. CLEMENT (1964, 1964), *Assistant Professor of Geology*. A.B., Cornell University; M.S., University of Utah; Ph.D. Cornell University.
- JAMES W. COKE (1964, 1957), *Associate Professor of Modern Languages*. A.B., Western Kentucky State College; M.A. and Ph.D., Indiana University.
- HENRY E. COLEMAN (1964, 1964), *Instructor in Fine Arts*. A.B., College of William and Mary; M.A., State University of Iowa.
- LUTHER THOMAS CONNER, JR. (1964, 1964), *Assistant Professor of Mathematics*. B.S., Virginia Polytechnic Institute; M.A., University of North Carolina.
- RICHARD W. COPELAND (1961, 1961), *Associate Professor of Education*. B.S., College of William and Mary; M.Ed. and Ed.D., University of Florida.
- ELEANOR QUINN CORBETT (1964, 1964), *Instructor in Physical Education for Women*. B.S., Boston University, Sargent College; M.Ed., Boston University.
- HIBBERT DELL COREY (1943, 1929), *Professor of Economics and Business Administration*. A.B., University of Michigan; M.A., Ohio State University.
- GEORGE W. CRAWFORD (1960, 1960), *Associate Professor of Physics*. B.S., Davidson College; M.S., University of North Carolina; Ph.D., Ohio State University.
- PATRICIA B. CROWE (1965, 1965), *Assistant Professor of Physical Education for Women*. B.S., Boston University, Sargent College; M.S., University of North Carolina, Greensboro.
- FREDERICK R. CROWNFIELD, JR. (1957, 1956), *Associate Professor of Physics*. A.B., Harvard College; M.S. and Ph.D., Lehigh University.

RICHARD C. CURRY (1965, 1965), *Assistant Professor of Government*. A.B., Eastern Michigan University; M.A. and Ph.D., University of Michigan.

JOSEPH CURTIS (1953, 1948), *Professor of Law*. B.S., LL.B. and LL.M., New York University.

WAGIH DAFASHY (1965, 1965), *Assistant Professor of Business Administration*. B.Com., Ein Shams University, Cairo; M.B.A., University of Texas; Ph.D., University of Arkansas.

JAMES S. DARLING (1961, 1961), *Lecturer in Music*. A.B., Yale University; B.M., Yale School of Music; M.M., University of Michigan.

CHARLES EDWARD DAVIDSON (1964, 1949), *Professor of English*. A.B., Princeton University; M.A., and Ph.D., Yale University.

WILLIAM F. DAVIS, JR. (1964, 1960), *Assistant Professor of English*. A.B., Princeton University; M.A. and Ph.D., Yale University.

WILLIAM JACKSON DAVIS (1963, 1963), *Associate Professor of Marine Science*. B.S., Virginia Polytechnic Institute; Ph.D., University of Kansas.

HUBERT A. DAW (1961, 1961), *Assistant Instructor in Psychology*. Associate Electrical Engineer, College of William and Mary (Norfolk).

PETER L. DERKS (1965, 1960), *Associate Professor of Psychology*. A.B., Knox College; M.A., Harvard University; Ph.D., University of Pennsylvania.

EDMOND T. DERRINGE (1963, 1957), *Instructor in Physical Education*. B.S., Georgetown University; M.Ed., College of William and Mary.

ELSA S. DIDUK (1966, 1966), *Instructor in Modern Languages*. B.S., Temple University; M.A., Columbia University.

CARL R. DOLMIETSCH (1963, 1959), *Associate Professor of English*. A.B. and M.A., Drake University; Ph.D., University of Chicago.

- BIRDENA E. DONALDSON (1956, 1956), *Associate Professor of History*. A.B., Franklin College; M.A., Northwestern University; Ed.D., Columbia University.
- JOHN E. DONALDSON (1966, 1966), *Assistant Professor of Law*. A.B., University of Richmond; B.C.L., The College of William and Mary; LL.M., Georgetown University.
- J. SCOTT DONALDSON (1966, 1966), *Assistant Professor of English*. A.B., Yale University; M.A. and Ph.D., University of Minnesota.
- CAROLYN L. DORRANCE (1965, 1965), *Instructor in Government*. A.B., Mount Holyoke College; M.A., Columbia University.
- HUGH B. EASLER (1962, 1962), *Assistant Professor of Mathematics*. A.B., Wofford College; M.S., University of South Carolina.
- MORTON ECKHAUSE (1964, 1964), *Research Assistant Professor of Physics*. A.B., New York University; M.S. and Ph.D., Carnegie Institute of Technology.
- JACK D. EDWARDS (1966, 1962), *Associate Professor of Government*. A.B., Macalester College; LL.B., Harvard Law School; Ph.D., Vanderbilt University.
- NATHANIEL Y. ELLIOTT (1966, 1963), *Assistant Professor of English*. B.S., State University of New York, Fredonia; M.A., Syracuse University.
- ANTHONY J. ESLER (1962, 1962), *Assistant Professor of History*. A.B., University of Arizona; M.A. and Ph.D., Duke University.
- FRANK BROOKE EVANS III (1961, 1947), *Professor of English*. A.B., Amherst College; M.A. and Ph.D., Princeton University.
- E. MCGRUDER FARIS, JR. (1966, 1965), *Professor of Law*. B.S. and LL.B., Washington and Lee University; LL.M., Duke University.
- CARL FEHR (1961, 1945), *Professor of Music*. A.B. and M.A., University of Texas; M.Mus., University of Michigan; Ed.D., Columbia University.

MARK ROY FEIX (1964, 1964), *Visiting Professor of Physics*. Ph.D., University of Paris.

EMERIC FISCHER (1966, 1964), *Associate Professor of Law*. B.S., University of South Carolina; B.C.L. and L.&T.M., College of William and Mary.

LEWIS A. FOSTER, JR. (1962, 1954, 1955), *Associate Professor of Philosophy*. A.B. and M.A., University of Virginia.

HAROLD LEES FOWLER (1946, 1934), *Professor of History*. A.B., Dartmouth College; M.A. and Ph.D., Harvard University.

HERBERT FRIEDMAN (1963, 1963), *Assistant Professor of Psychology*. A.B., Brooklyn College; M.A. and Ph.D., University of Connecticut.

PHILIP J. FUNIGIELLO (1966, 1966), *Visiting Assistant Professor of History*. A.B., Hunter College; M. A., University of California at Berkeley; Ph.D., New York University.

HERBERT FUNSTEN (1963, 1963), *Research Associate Professor of Physics*. A.B., M.A. and Ph.D., University of Virginia.

ARMAND J. GALFO (1961, 1958), *Associate Professor of Education*. A.B., M.Ed. and Ed.D., University of Buffalo.¹

MARTIN A. GARRETT (1963, 1963), *Assistant Professor of Economics*. B.S., Middle Tennessee State College; Ph.D., Vanderbilt University.

JOSEPH M. GARZA (1966, 1966), *Assistant Professor of Sociology and Anthropology*. A.B., Southeastern Louisiana College; M.S., Florida State University.

ROBERT E. GATTEN, JR. (1966, 1966), *Lecturer in Biology*. B.S., College of William and Mary.

KEVIN E. GEOFFROY (1965, 1965), *Assistant Professor of Education*. A.B., Tufts University; M.S., Boston University; Ph.D., Arizona State University.

HOWARD M. GITELMAN (1966, 1966), *Associate Professor of Economics*. A.B., University of Pittsburgh; M.A. and Ph.D., University of Wisconsin.

¹On leave of absence, 1966-67.

WILLIAM LEE GODSHALK (1964, 1964), *Assistant Professor of English*. A.B., Ursinus College; M.A. and Ph.D., Harvard University.

BRUCE K. GOODWIN (1966, 1963), *Associate Professor of Geology*. A.B., University of Pennsylvania; M.S. and Ph.D., Lehigh University.

HOWARD R. GORDON (1965, 1965), *Assistant Professor of Physics*. B.S., Clarkson College of Technology; M.S. and Ph.D., The Pennsylvania State University.

DAVID J. GRAY (1962, 1959), *Associate Professor of Sociology and Anthropology*. A.B., M.A. and Ph.D., The Pennsylvania State University.

LOIS GRAY (1965, 1965), *Lecturer in Fine Arts*. B.S. and M.Ed., The Pennsylvania State University.

HARRY R. GROVES (1963, 1956), *Instructor in Physical Education for Men*. B.S., Temple University; M.Ed., College of William and Mary.

PIET CORNELIS GUGELOT (1966, 1966), *Adjunct Professor of Physics*. B.S. and Ph.D., Eidgenossische Technische Hochschule, Zurich.

WILLIAM GEORGE GUY (1930, 1925), *Chancellor Professor of Chemistry*. B.Sc., Mt. Allison University, Canada; A.B., Oxford University; Ph.D., University of Chicago.

ALBERT E. HAAK (1959, 1947), *Associate Professor of Theatre and Speech*. A.B., Lawrence College; M.A., College of William and Mary.

ARTHUR E. HAASE (1963, 1963), *Instructor in Modern Languages*. A.B., Beloit College; M.A., Yale University.

ELIZABETH H. HAGEMAN (1965, 1965), *Instructor in English*. B.S., Simmons College; M.A., Columbia University.

GUSTAV W. HALL (1963, 1963), *Assistant Professor of Biology*. A.B., and M.S., Ohio State University.

MARGARET HAMILTON (1964, 1953), *Associate Professor of Government*. A.B., University of Michigan; M.A. and Ph.D., Columbia University.

- BEN A. HAMMACK (1958, 1958), *Lecturer in Psychology*. A.B., University of Texas.
- EUGENE RAE HARCUM (1965, 1958), *Professor of Psychology*. B.S., College of William and Mary; M.A., The Johns Hopkins University; Ph.D., University of Michigan.
- WILLIAM J. HARGIS, JR. (1959, 1955), *Professor of Marine Science*. A.B. and M.A., University of Richmond; Ph.D., Florida State University.
- BRYANT E. HARRELL (1958, 1956), *Associate Professor of Chemistry*. B.S., Randolph-Macon College; M.A. and Ph.D., The Johns Hopkins University.
- JOHN H. HARVEY (1965, 1965), *Instructor in Physical Education for Men*. A.B., College of William and Mary.
- RUSSELL T. HASTINGS (1962, 1958), *Assistant Professor of Theatre and Speech*. B.F.A., Washington University; M.F.A., Yale University.
- CAROLINE HAUSSERMAN (1965, 1965), *Assistant Professor of Physical Education for Women*. A.B., Tufts University.
- DEXTER S. HAVEN (1959, 1949), *Associate Professor of Marine Science*. B.S. and M.S., Rhode Island State College.
- ALBERT F. HAYNES (1966, 1966), *Associate Professor of Education*. B.S. and M.A., Memphis State University; Ed.D., University of Tennessee.
- THOMAS K. HEARN, JR. (1965, 1965), *Assistant Professor of Philosophy*. A.B., Birmingham-Southern College; B.D., Southern Baptist Theological Seminary; Ph.D., Vanderbilt University.
- P. WARREN HEEMANN (1966, 1962), *Assistant Professor of English*. A.B. and M.A., University of North Carolina.
- DENISE M. HEILBRONN (1965, 1965), *Instructor in Modern Languages*. A.B., Barnard College; M.A., Bryn Mawr College.
- DOROTHY J. HEISSEN BUTTEL (1964, 1964), *Instructor in English*. A.B., Gettysburg College; M.A., Harvard University.

- DONALD J. HERRMANN (1963, 1951), *Professor of Education*. B.Ed., Northern Illinois University; M.A. and Ph.D., Michigan State University.
- TREVOR B. HILL (1963, 1963), *Associate Professor of Chemistry*. B.S., University of Alberta, Canada; Ph.D., Cornell University.
- ELIZABETH L. HODGES (1966, 1966), *Instructor in Modern Languages*. A.B. and M.A., Emory University.
- E. LEWIS HOFFMAN (1961, 1947), *Associate Professor of Modern Languages*. B.S., Roanoke College; M.A. and Ph.D., George Washington University.
- JULIAN L. HOGAN, LT. COL., ARTY. (1963, 1963), *Professor of Military Science*. A.B., Creighton University.
- HOWARD K. HOLLAND (1958, 1948), *Professor of Education*. A.B., M.A. and Ph.D., University of Michigan.¹
- DAVID L. HOLMES (1965, 1965), *Instructor in English*. A.B., Michigan State University; M.A., Columbia University; M.A., Princeton University.
- H. LESTER HOOKER (1963, 1963), *Assistant Professor of Physical Education for Men*. A.B., M.Ed., College of William and Mary.
- CLYDE V. HOUSE (1966, 1966), *Assistant Professor of Government*. A.B. and M.A., University of Michigan.
- CAROL ANN HUBERT (1963, 1963), *Instructor in English*. A.B., College of the Holy Names; M.A., University of North Carolina.
- STANLEY HUMMELL (1966, 1964), *Instructor in Physics*.
- ROY D. HUNNICUT, CAPT., INF. (1966, 1966), *Assistant Professor of Military Science*. B.S., University of Richmond.
- SATOSHI ITO (1966, 1965), *Assistant Professor of Sociology and Anthropology*. A.B., Long Beach State College; M.A., University of North Carolina.

¹On leave of absence, 1966-67

- ROBERT JAMES (1965, 1965), *Instructor in Physical Education for Men*. B.S., Old Dominion College.
- DAVID CLAY JENKINS (1964, 1956), *Associate Professor of English*. A.B. and M.A., University of Alabama; Ph.D., State University of Iowa.
- JOHN E. JENKINS (1966, 1966), *Acting Assistant Professor of Education*. A.B., University of Richmond; M.Ed., College of William and Mary.
- DUDLEY M. JENSEN (1962, 1951), *Associate Professor of Physical Education for Men*. B.S., Springfield College; M.A., Teachers College, Columbia University.
- GERALD H. JOHNSON (1966, 1965), *Assistant Professor of Geology*. B.S., M.A. and Ph.D., Indiana University.
- LUDWELL H. JOHNSON (1965, 1958), *Professor of History*. A.B. and Ph.D., The Johns Hopkins University.
- LESTINE REBECCA JOHNSTON (1964, 1964), *Instructor in Modern Languages*. B.S. and M.A., University of Virginia.
- ROBERT A. JOHNSTON (1966, 1963), *Professor of Psychology*. A.B., Haverford College; M.A. and Ph.D., State University of Iowa.
- EDWARD E. JONES (1966, 1965), *Assistant Professor of Physical Education for Men*. B.S. and M.Ed., College of William and Mary.
- GILBERT C. JONES (1964, 1964), *Assistant Professor of Business Administration*. A.B. and M.B.A., Wharton School, University of Pennsylvania.
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- JAMES H. RENZ (1966, 1957), *Associate Librarian*. A.B., Ohio State University; M.S., University of Michigan.
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- EDWIN H. RHYNE (1966, 1954), *Professor of Sociology and Anthropology*. B.S., Clemson College; M.A. and Ph.D., University of North Carolina.
- LAURA H. RHYNE (1966, 1965), *Acting Assistant Professor of Sociology and Anthropology*. A.B. and M.A., University of Georgia.
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- MARIE CAROL ELLIS (1966, 1966), *Assistant Reference Librarian*. B.S. and M.A., Florida State University.
- MARGARET CELESTE COOK (1966, 1966), *Curator of Manuscripts*. B.A., Sweet Briar College; M.A., College of William and Mary.
- BEATRICE REINHOLDS ERGLIS (1966, 1966), *Circulation Librarian*. B.S., Wayne State University; A.M.L.S., University of Michigan.
- ILSE BLOCH WEBB (1966, 1966), *Assistant Cataloging Librarian*. A.B., Antioch College; M.S.L.S., Columbia University.

Health Service Staff

ROBERT E. DEBORD, M.D.	<i>College Physician</i>
JOSEPH D. BROWN III, M.D.	<i>College Physician</i>
SUE M. HARTSFIELD, R.N.	<i>Head Nurse</i>
MRS. CHARLES CHANDLER, R.N.	<i>Nurse</i>
MRS. BETTYE BRACEY, R.N.	<i>Nurse</i>
MRS. GORDON GRAY, R.N.	<i>Nurse</i>
MRS. JUNE DAYTON, R.N.	<i>Nurse</i>
MRS. MARGARET EDMUNDS, R.N.	<i>Nurse</i>

Committees of the Faculty

Academic Status: LAMBERT (Chairman), BARNES, CATO, DAVIDSON, DONALDSON, L. FOSTER, JENSEN, JOHNSTON, ROSEBERG.

Admissions: HARCUM (Chairman), ARMSTRONG, BEYER, GARRETT, GOODWIN, RINGGOLD, TARLETON, THORNE, R. WELCH, WILLIS, HUNT (ex-officio).

Athletics (Men): JOHNSTON (Chairman), BARNES, CATO, DERKS, J. D. LAWRENCE, PEDIGO, H. SMITH, TILLOTSON, HOOKER (ex-officio).

Athletics (Women): REEDER (Chairman), BARRETT, CORBETT, CROWE, FARNSWORTH.

Computer Center Advisory Committee: J. D. LAWRENCE (Chairman), GARRETT, ITO, JOHN JENKINS, JENSEN, NORCROSS, QUINN, SIEGEL, TYREE, WHITAKER, WHYTE.

**Curriculum:* HAMILTON (Chairman), ALTSHULER, HARRELL, LEACH, MOORE, NEIMAN, SCHIFRIN, TERMAN, WINTER.

†Degrees: FOWLER (Chairman), BEELER, BICK, W. F. DAVIS, RHYNE.

Discipline: LAMBERT (Chairman), BARNES, CURTIS, DONALDSON, KUTNER, QUINN.

†Faculty Affairs: FOWLER (Chairman), BANNER, BYRD, GUY L. JOHNSON, MCLENNAN, L. SMITH.

**Elected by the Faculty.*

†Elected by the Faculty, except the chairman, who is Dean of the Faculty.

Faculty Research: EVANS (Chairman), ALTSHULER, BLACK, COKE, B. McCULLY, McKNIGHT, NEWMAN, ROHERTY, WHYTE.

Selection of Students for Foreign Study: GUY (Chairman), BEYER, W. M. JONES, KALLOS, LAMBERT, C. McCULLEY.

Foreign Students and Opportunity for Foreign Study: MARTEL (Chairman), B. McCULLY, MOORE, NEIMAN, REBOUSSIN.

Graduate Council: SIEGEL (Chairman), ATKESON, BYRD, HARGIS, HEEMANN, KERNODLE, S. LAWRENCE, NELSON, POLLARD, QUITTMAYER, ROHERTY, SELBY, TYREE, WILLIAMS, WINTER.

Honors: FOWLER (Chairman), ESLER, GUY, KERNODLE, MACDONALD, L. SMITH, WELSH, BEYER (ex-officio).

**Honorary Degrees:* GUY, MOSS, WILLIAMS.

Arts and Lectures: PALEDES AND L. FOSTER (Co-Chairmen), HAAK, MOSS, H. STONE, TATE, THORNE, GREEN (ex-officio).

Library: NEIMAN (Chairman), CHESSEY, N. ELLIOTT, FUNSTEN, WARD JONES, McCORD, MOORE, NEWMAN, SCHIFRIN, POLLARD (ex-officio).

**Nominating:* GRAY (chairman), BALL, BLACK, MACDONALD, TATE, WILLIAMS. *Prizes and Special Awards:* NEIMAN (General Chairman).

Botetourt Medal: DONALDSON, KALLOS, LAMBERT, MACDONALD.

Carr Cup: BARNES, JENKINS (also two additional members, one each to be named by the Senior and Junior Classes).

Sullivan Awards: FARNSWORTH, LAMBERT, C. McCULLEY, H. SCAMMON, SQUATRIGLIA, WILLIS.

Psychological Counseling Center Advisory Council: R. A. JOHNSTON (Chairman), ALTSHULER, CLEM, DeBORD, LAMBERT, L. SMITH, TARLETON, WILLIAMS.

Representatives to the General Cooperative Committee: BANNER, BARNES, DONALDSON, FOWLER, LAMBERT, McKENNA, SCHIFRIN, H. SMITH.

*Elected by the Faculty.

Scholarships and Student Employment: QUINN (Chairman), COREY, HEEMANN, REYNOLDS, BRIGHT (Secretary), HUNT (ex-officio).

Special Events: Convocation Marshals: GUY (Chief Marshal), ARMSTRONG, BALDWIN, BALL, DERKS, EVANS, HARCUM, HOFFMAN, KERNODLE, PEDIGO.

Student Activities Fee: LAMBERT (Chairman), C. McCULLEY, REECE, WHYTE.

Students' Recreation: H. SMITH (Chairman), BARNES, BARRETT, DONALDSON, FARNSWORTH, GREEN, E. JONES, VARNER, ENGLISH (ex-officio).

Student Religious Activities: BRIGHT (Chairman), CATO, FEHR, McKNIGHT, RILEY, TARLETON, WILKIN, ZUNG.



Chapel in the Sir Christopher Wren Building

COLLEGE CAMPUS AND BUILDINGS

THE COLLEGE CAMPUS, comprising approximately 1,200 acres of land, extends from the western edge of the restored area of Colonial Williamsburg to picturesque Lake Matoaka and an extensive stretch of beautifully wooded land known as the College Woods. Within its boundaries are three sections known as the *Old Campus*, *The Main Campus*, and *The Developing Campus*.

In the front of a triangle formed by Jamestown and Richmond Roads, and facing the Duke of Gloucester Street, lies the elm-shaded *Old Campus* with its three original buildings. *The Sir Christopher Wren Building* (1695 restored 1928-31) has persisted despite damage by fires in 1705, 1859, and 1862. Its Great Hall contains portraits of Queen Anne (Kneller school) and thirteen members of the Bolling and affiliated families (1650-1850). The Chapel crypt contains, among others, the graves of Lord Botetourt, three Randolphs and Bishop James Madison. Still in daily classroom use, it is the oldest academic building in the United States and designated a National Historic Landmark by the Department of the Interior. *The Brafferton* (1723 restored 1932) was erected and maintained as an Indian School until the Revolution by income derived from Brafferton Manor, Yorkshire, England, purchased by the executors of Robert Boyle, the noted English physicist, to carry out his bequest to promote Christianizing the Indians. Today it serves as a College guest house and as headquarters for the Society of the Alumni. *The President's House* (1732 restored 1931) has served as home for each of the twenty-three presidents of the College. It was damaged by fire in 1781, while occupied as a hospital by French Army officers after Yorktown. King Louis XVI later contributed to its repair. These three pre-revolutionary masterpieces were restored through the generosity of John D. Rockefeller, Jr.

Behind the Wren Building, extending to the College Woods and flanking the Old Campus is the *Main Campus*. Through its center runs a wide sunken garden, lined on two sides by a boxwood hedge. On the north side of the sunken garden is the *Old Library* (1908, 1923, 1929), originally constructed with

Carnegie Foundation aid. Upon completion of the Earl Gregg Swem Library, the Old Library will house the Marshall-Wythe School of Law, its library and related academic and public affairs activities. West of the Old Library is *Rogers Hall* (1927), named for William Barton Rogers, student (1819-21), professor of natural philosophy and chemistry (1828-35), and founder and first president of Massachusetts Institute of Technology (1861-70). It contains classrooms and laboratories for chemistry and other studies. West of Rogers Hall is *Marshall-Wythe Hall* (1935) named for John Marshall, student (1780) and later Chief Justice of the United States, and for George Wythe, alumnus (c. 1746) and first professor of the oldest chair of law in the United States (1828-35). It is used for both administrative offices and classrooms.

On the east end, south side, of the sunken garden is *Ewell Hall* (1926 rebuilt 1958). Originally built by Phi Beta Kappa, it burned in 1953, and when rebuilt was named in honor of Benjamin Stoddert Ewell, fifteenth President of the College. It now houses the offices of the College President and Dean of Admissions as well as providing space for classrooms. West of Ewell Hall is *Washington Hall* (1928), named for the first President of the United States who also served as Chancellor of the College (1788-99), which is devoted to general classroom use. Farther west of the sunken garden, on the edge of the College Woods, are eleven lodges which are rented to the several social fraternities.

On the northern edge of the Main Campus, north of Richmond Road, is *Brown Hall* (1926), a dormitory housing 86 men. It is named for the home of Dudley Digges, Revolutionary patriot whose home stood on its site. Close by are nine college-owned residences occupied by sororities. In a westerly direction, south of Richmond Road, is *Blow Gymnasium* (1924 enlarged 1941), given by Mrs. George Preston Blow and family in memory of George Preston Blow, Captain, USN. His father, George Blow II, attended the college (1829-31), as did his grandfather, Col. William Blow (1804). It is used for men's physical education and R.O.T.C. To the southeast of Blow Gymnasium is *Monroe Hall* (1924), a men's dormitory housing 154, named for the fifth President of the United States and student at William and Mary

(1774-76). Southwest of Blow Gymnasium is *Old Dominion Hall* (1927), a men's residence housing 160, named in honor of Virginians who played a prominent part in the making of the country. *Bryan Hall* (1953), north of Old Dominion, is the present home of the Marshall-Wythe School of Law, and was named for John Stewart Bryan, twentieth President of William and Mary (1934-42) and Chancellor of the College (1942-44). Adjacent to Bryan, and forming a complex of dormitories are *Dawson* (1953), named for the second and fourth College presidents, William (1743-52) and Thomas (1755-60); *Stith* (1953), named for the third President of the College, William Stith (1752-55); *Camm* (1959), named for the seventh College President, John Camm (1771-77); and *Madison* (1959), named for the eighth College President, James Madison (1777-1812). The total capacity of this dormitory complex is 296 men. West of Bryan complex is *Cary Field Park* (1935), consisting of a 10,000 seat stadium surrounded by men's athletic fields and parking areas. It was named for T. Archibald Cary, member of the College's Board of Visitors (1901-06), who gave funds for the first athletic field (1910) where Old Dominion and Bryan Halls now stand.

On the southern side of the Campus, south of Jamestown Road, is *Tyler Hall* (1916 renovated 1951), a men's residence housing 73, named for John Tyler, alumnus of the College (1806), and tenth President of the United States (1841-45). South of Tyler Hall is the *King Infirmary* (1930), named for Dr. David J. King, College physician (1919-34). This building is also used as a men's dormitory, housing 32. The *Campus Center* (1960) is directly west of Tyler Hall and is the meeting place on Campus. It provides offices for student activities and publications and contains recreation rooms, a theater, and meeting and dining rooms in addition to "The Wigwam" which features a grill for light dining. West of the Campus Center is *Trinkle Hall* (1926), the main dining hall named in honor of E. Lee Trinkle, Governor of Virginia (1922-26), who was instrumental in restoring this building promptly after a fire had destroyed an earlier dining hall on the same site. South of Trinkle Hall are located the *College Laundry* and *Power Plant*, and west of Trinkle Hall is *The Fine Arts Building* (1893 renovated 1936) which provides classroom and studio space for painting and sculpturing. Directly west of

The Fine Arts Building is *Taliaferro Hall* (1935), named for William Booth Taliaferro, alumnus of the College (1842), who was active in the reopening of the College in 1888 and a member of its Board of Visitors (1870-98). This is a men's dormitory accommodating 66.

Farther west, on the north side of Jamestown Road, are four residence halls for women. *Jefferson Hall* (1920), named for Thomas Jefferson, student at the College (1760-62), reorganizer of the College curriculum (1779), member of the Board of Visitors (1779), and third President of the United States (1801-09), houses 162. West of Jefferson, and housing 164, is *Barrett Hall* (1927), named for Kate Waller Barrett, M.D., prominent Virginia civic leader, advocate of higher education for women and member of the Board of Visitors (1921-25). *Chandler Hall* (1931), housing 144, is west of Barrett and is named for Julian Alvin Carroll Chandler, alumnus (1891), and President of the College (1919-34). The largest women's dormitory, *Landrum Hall* (1958), is still farther west. It is named for Grace Warren Landrum, Dean of Women and Professor of English (1927-47), and houses 217.

On the extreme southwest edge of the Main Campus is the newly developing Campus. Here, facing Jamestown Road, is *Phi Beta Kappa Memorial Hall* (1957) which contains an 805-seat theater, dressing rooms, scene building shops, classrooms, offices, a conference center and television and radio broadcasting facilities. A *Fine Arts Wing* to house the Fine Arts Department has recently been added to Phi Beta Kappa. Adjacent to Phi Beta Kappa are women's playing fields and tennis courts. North of Phi Beta Kappa is the *Earl Gregg Swem Library* named for the College Librarian (1920-45). Here are housed 349,384 catalogued volumes, the Lord Botetourt Art Gallery, the William and Mary Museum, the Institute of Early American History and Culture and an auditorium and seminar rooms. Northeast of the Library is the new *Life Science Building*, presently being constructed. Northwest of Phi Beta Kappa is the *William Small Physical Laboratory* (1964) named for William Small, professor of Natural Philosophy (1758-64). Here are to be found modern and elaborate classrooms, laboratories and equipment for teaching and research in physics. Farther to the northwest is *Adair Gymnasium* for women (1963),

named for Cornelia Storrs Adair, student (1921-23), and distinguished Virginia educational leader. Beyond Adair Gymnasium in the same direction is *Jessie Ball duPont Hall* (1964) bearing the name of a gracious benefactor of the College and accommodating 272 women. Directly north of the Swem Library is *Yates Hall* (1962), a men's residence hall, housing 249, named for the Rev. William Yates, fifth President of the College (1761-64). Across the campus road, to the west of Yates dormitory, is the new *Dining Hall*. Far to the west of Phi Beta Kappa and on the shores of Lake Matoaka is the *Lake Matoaka Drama Amphitheatre* (1947), scene for annual outdoor summer historical dramas.



Jessie Ball duPont Hall

The Library

The main Library as of July 1st, 1966, contained 349,384 catalogued volumes.¹ The books are classified according to the Dewey Decimal System with variation in special classes. Additional resources of the Library include 165,425 government documents, 70,000 books and pamphlets in special collections, and about 59,572 volumes in micro-media form. The number of different periodicals and newspapers regularly received is 1,984.

With the exception of rare books and materials in the special collections, the volumes in the Library are on open shelves and easily accessible to all students and members of the faculty. Students are privileged to go freely into the stacks and reading areas to select the books they need and to browse at leisure.

The new library of the College, named in honor of the late Dr. Earl Gregg Swem (Librarian, 1920-1945; Librarian Emeritus, 1945-1965), was opened to the public early in 1966. The Earl Gregg Swem Library, one of the finest college libraries in the United States today, contains a variety of educational facilities designed to assist the most inexperienced freshman or the most distinguished national scholar. The Reference Department on the main floor contains the card catalogue, periodical indexes, and other reference sources. The upper two floors consist of a co-ordinated book stack—reading area designed to accommodate the study and research needs of all users of the building. Special attention has been given to proper lighting and acoustical treatment of all areas.

The figurehead of the Special Collections Division of the Earl Gregg Swem Library is the original statue of Norborne Berkeley, Baron de Botetourt, Colonial Governor of Virginia, 1768-1770, and rector of the College Board of Visitors. One of the oldest surviving examples of colonial statuary in America, the Botetourt statue was originally acquired by the College in 1801 and until 1958 stood in the college yard in front of the historic Sir Christopher Wren Building.

The Earl Gregg Swem Library is open to the public Monday

¹The Library holdings of the College also include more than 600,000 manuscripts, prints, maps, musical records, and newspapers dated before 1900. The total Library holdings number more than 1,200,000 pieces.

through Friday: 8:00 a.m. to 11:00 p.m.; Saturday: 8:00 a.m. to 5:00 p.m.; Sunday: 2:00 p.m. to 11:00 p.m.

A student is privileged to borrow as many books at one time as he requires. The privilege of borrowing books is also extended to adult residents of Williamsburg and the adjoining counties, to military personnel stationed on the peninsula, to the members of the staff of Colonial National Historical Park at Jamestown and Yorktown, and to the staff of Colonial Williamsburg, Incorporated. Photocopy facilities are available at a modest cost to all users of the Library.

The Reserve Book Collection is located on the first floor of the Earl Gregg Swem Library. This department contains about 3,000 volumes which are changed each semester as the courses require. There are other departmental libraries in special rooms which are open at special hours: the Chemistry Library in Rogers Hall, the Physics Library in the William Small Physical Laboratory, and the Geology Library in Canim Hall.

The Special Collections Division on the ground floor of the Earl Gregg Swem Library—including the Botetourt Art Gallery, Museum, College Archives, Rare Book Room, Virginia Room, Tucker-Coleman Room, and Manuscripts Department—provides full security and convenient access to the rare books, historical papers, and early Virginia records preserved within these departments. The College of William and Mary archives and collections of historic manuscripts touch Virginia life of three centuries. Worthy of special mention are representative letters of such distinguished Virginians as George Washington, John Marshall, St. George Tucker, Thomas Jefferson, James Monroe, John Tyler, James Madison, George Mason, William B. Taliaferro, and Joseph B. Johnston. As part of the collection, there are over 2,000 ledgers, journals, letterbooks, diaries, account books, and notebooks. Of prime importance is the collection of letters, documents, and accounts of officials of the College of William and Mary, noticeable additions to which are made periodically. Among the special collections in the Rare Book Department are those touching many aspects of early American history, the James Branch Cabell collection, the Hetty Cary Harrison collection on eighteenth century gardening and horticulture, the Peter Chapin collection of books on dogs and hunting, the

Ralph Green collection of books, notes, and printing equipment relating to the development of the art of printing in the United States, and the collection of classical writings presented by the late Dr. Earl Gregg Swem.

The Tucker-Coleman Room houses one of the few colonial libraries left intact in this country. The collection contains 400 books with St. George Tucker's signature and 800 volumes belonging to his sons and descendants. The manuscript portion of the collection consists of over 26,000 pieces relating to St. George Tucker and his contemporaries.

A check-out system has been instituted at the main entrance of the library to make certain that materials taken from the building are properly charged out.

The Library is fortunate in receiving each year many gifts of books from friends, alumni, members of the faculty, and students. Friends of the Library have supported the publication of a number of historical and bibliographical works which are distributed to scholars and learned societies throughout the academic world.

The Computer Center

The facilities of the Computer Center are available for use in undergraduate and graduate instruction and research. In addition to several regularly scheduled courses in programming and numerical analysis, self-instruction courses are available. In addition, short, non-credit courses are given in such programming languages as Fortran, Cobol, and PL/I. A staff of experienced programmers is on hand to assist faculty and graduate students.

The computer is temporarily located in the William Small Physical Laboratory, until completion of the Mathematics-General Classroom Building. Several terminals have been installed at other locations on- and off-campus, and by means of telephone connections, programs can be transmitted to the computer from these locations. The results of the computations can then be transmitted back to the terminals. At present, off-campus terminals are located at Christopher Newport College, the Virginia Associated Research Center, and the Virginia Institute of Marine Science.

The Computer Center is equipped with a large-scale, modern digital computer—an IBM 360, Model 50, system—together with

peripheral equipment for punching, listing, and sorting cards. Main storage of the computer is 131,072 characters; secondary storage is available on magnetic tapes and disks.



STUDENT LIFE

THERE ARE SEVERAL broad areas of student life and activities outside the formal academic program which, together with that program, comprise the whole educational experience of a student at the College of William and Mary. These general areas are the cultural, the social, the spiritual, and the athletic, ranging in specific activities from student government, publications, theatre, and musical groups, to participation in inter-collegiate and intramural athletics. The College recognizes and encourages these many activities as valuable elements in the student's life. As a result, the student is able to participate in an unusually varied number of activities as his time, talents, and interests dispose him. He has the possibility for a rich and meaningful life to be coupled with that of the demanding, yet exciting, experiences of classroom and laboratory.

Since William and Mary is chiefly a resident college, students and faculty compose a closely knit community in which extra-curricular and social activities play a considerable role in the



cultural and intellectual development of the individual. An informal relationship between teacher and student is encouraged, both in and out of the classroom, thereby fostering the process of living and learning together. The College is concerned to keep classes small, and to ensure the possibilities of both a friendly, informal faculty-student association, and a rewarding, non-academic life whereby the individual's needs, interests, and identity are honored in a democratic way. The College believes that one of the major purposes is to inculcate by means of the several phases of college life the ideals of self-responsibility and good campus citizenship.

The new student at William and Mary is introduced to the College life and atmosphere during the orientation period which takes place immediately before the beginning of classes in September. During this period, the honor system is explained to the entering student, and he is made familiar with the College facilities, and the complete range of extracurricular activities. He is also introduced to student leaders, and to key members of the administrative staff who will assist him through their experience and human understanding. Perhaps most important of all, the entering student will meet in personal consultation his faculty adviser who will work closely with him before registration and occasionally during the school year to assist him to engage successfully in an academic program suitable to him.

The new student thus becomes an integral part of William and Mary, making new friends among members of his own and other college classes, among the faculty, and administrative officers.

Community life is important at William and Mary, since the majority of students live in residence halls. The eleven fraternities maintain essentially nonresidential lodges and the nine sororities provide housing for part of their membership. While these organizations make prominent contributions to the life of the College, an adequate social life is available to non-members in many functions and activities sponsored at the College. The use of leisure is provided for in the Residence Halls by recreation rooms, study rooms, and lounges, which are appropriately furnished. As the meeting place of students on the campus, the Campus Center offers an educational and recreational program of events for the College family as well as opportunities for stu-

dent participation in the presentation of that program. The facilities of the Center include lounges for informal gatherings, a television room, music listening rooms with high fidelity equipment, a reading room, and a cafeteria and refreshment bar, called "The Wigwam." Billiards, bowling, table-tennis, and shuffleboard comprise the games activity. In addition, there are meeting rooms to house various interest groups and clubs, as well as a ballroom for dancing. The officers of the various student publications and Student Government are located in the Center. A film series, a lecture series, art and craft exhibits, and concerts are represented as a part of the regular Center program.

Informal College dances take place occasionally on Saturday nights throughout the session, and formal dances are held at intervals. In addition, dances and other social functions are held by fraternities, sororities, dormitories and other organizations.

Student Government

The constitution of the Student Association of the College of William and Mary provides for an Executive Cabinet and Assembly whose powers extend to all student activities common to both men and women. A separate organization, the Women's Dormitory Association, deals with the dormitory activities and regulations which concern the women solely. Similarly, each men's residence hall elects a Dormitory Council from among its students.

A General Cooperative Committee, consisting of students, members of the faculty, and administrative officers, serves as a clearing house for matters of general concern to the entire College.

Phi Beta Kappa Society

Alpha of Virginia: The Phi Beta Kappa Society, the oldest Greek-letter fraternity in the United States, was founded by a small group of students at the College of William and Mary on December 5, 1776. During the succeeding four years, the number of members increased to a total of fifty, including Captain John Marshall, who subsequently became Chief Justice of the United States, and Elisha Parmele, a graduate of Harvard University. The faith of these youthful scholars in the permanence and future

greatness of their society was shown by their preparation of charters for branches in other colleges. Two such charters were entrusted to Elisha Parmele, who brought about the establishment of chapters at Yale in 1780 and at Harvard in 1781.

The original society at the College became inactive in 1781, with the closing of the College because of the approach of the army of Cornwallis. It was revived in 1851 with the blessings of an aged founder, William Short, and continued until early in the War Between the States. In 1893 the Alpha of Virginia Chapter was revived once again, and it has continued since that time as an active and significant element in the educational program of the College.

At present there are approximately 160 chapters of Phi Beta Kappa located at the leading educational institutions of the United States, with a membership in excess of 120,000. Members of the local chapter number more than 1,000 persons; in addition, a number of faculty members who were elected to Phi Beta Kappa at other institutions serve actively as affiliated members of Alpha of Virginia. Senior students up to 10 per cent of the total number in the class are elected each year, largely on the basis of scholarship, as members in course. From the alumni of the College of at least ten years' standing who have attained distinction in their professions, Alumni members are elected from time to time. Less frequently, honorary members and faculty members who are not graduates of the College are elected to membership.

Honor Societies and Special Interest Groups

Omicron Delta Kappa is an honorary society whose membership is elected annually from the junior and senior men on the basis of eminence in the fields of scholarship; athletics; social and religious activities; publications; forensic, dramatic, musical, and other cultural activities.

Mortar Board is a woman's honorary society whose members are elected in their junior year on the three-fold basis of service, scholarship, and leadership. It endeavors to serve the College each year by fostering scholarship, by rendering its services whenever requested, and by encouraging a wholesome college atmosphere.

Two national honor societies, *Phi Eta Sigma* for men and *Alpha Lambda Delta* for women, annually select for membership those freshmen who have attained academic distinction.

There are eight honorary societies devoted to furthering interest in special fields of learning. Members of these groups are elected on the basis of scholastic proficiency in the departments concerned. In addition, many students find opportunities for friendly and stimulating associations in the various special interest groups and departmental clubs devoted to such fields of endeavor as literature, philosophy, drama, debating and the several fields of science. Among the enterprises sponsored by these groups are the annual "Open House" demonstrations of the Departments of Biology, Chemistry, Physics and Psychology.

Fraternities

Since the first Greek letter fraternity was founded at William and Mary in 1776, the College has had an unparalleled heritage as a background for its fraternity life. The passage of time, with its accompanying changes in customs, and the opening of the College to women students, has changed and expanded the fraternity sphere of influence. Today the fraternity provides not only a source of good fellowship, but also fills many other needs in the college community.

The fraternities at William and Mary have implied standards of social deportment which are instilled into each fraternity man, and which help to prepare him for his post-college relations with others in his community. Fraternity intramural athletics allow a much wider participation in competitive sports than can be permitted by varsity competition. A definite criterion of scholarship is established which all men must meet before they are allowed to join any fraternity. Each semester the President of the College awards a cup to the fraternity which has achieved the highest scholastic standing for the preceding semester.

Self-government within the fraternity system is encouraged through the efforts of an Interfraternity Council. There are chapters of eleven social fraternities on the campus: Theta Delta Chi, Sigma Alpha Epsilon, Pi Kappa Alpha, Kappa Alpha, Kappa Sigma, Phi Kappa Tau, Lambda Chi Alpha, Pi Lambda Phi, Sigma Pi, Sigma Nu and Sigma Phi Epsilon. An Alumni Interfraternity Council, composed of graduate representatives of the

several fraternities, acts in an advisory capacity. This organization makes an annual award to the outstanding fraternity based upon the criteria of scholarship, leadership, varsity athletics, intramurals and community relations.

Sororities

There are nine chapters of national sororities at the College. In 1921 Chi Omega was founded followed by Kappa Alpha Theta, Kappa Kappa Gamma, Pi Beta Phi, Alpha Chi Omega, Phi Mu, Kappa Delta, Delta Delta Delta, and Gamma Phi Beta. The affairs of the sororities are administered and regulated by a chapter of The National Pan Hellenic Council.

Each sorority carries out its respective national principles in the general realms of social congeniality, moral and mental standards, development of leadership, cooperation and service, and in stimulating interest in vocations as an outlet for creative abilities. Each sorority has local as well as national philanthropies to which it contributes. Each semester the President of the College awards a cup to the sorority which has achieved the highest scholastic standing for the preceding semester.

The sorority houses, owned by the College, each accommodate between 15 and 20 women, usually juniors and seniors, under the College status of a "small residence hall."

Publications

The *Flat Hat* is a weekly paper published and edited by the students. It is a chronicle of student life and daily affairs of the College.

The *William and Mary Review*, published at least twice a year by a body of student editors, is the College literary publication. It contains short stories, essays, poems, and reviews. Contributions are welcome from all members of the student body.

The *Colonial Echo* is published annually by a staff comprised entirely of students. This well-illustrated volume is a treasury of current campus life.

The financial administration of all student publications is supervised by the Student Activities Fee Committee which is composed of faculty and student members. The selection of the major editorial and managerial positions of the publications is under the jurisdiction of the Publications Committee.



A scene from The Merchant of Venice, William and Mary Theatre

The William and Mary Theatre

Now in its forty-first year, the William and Mary Theatre is a significant contribution to students as members of the audience or as the participants. The staff is composed of five professionally trained members of the faculty of Theatre and Speech. Participation in all forms of dramatic work is provided to students through courses in the Department of Theatre and Speech and through extra-curricular activity. Tryouts for parts in plays are open to all students, and casting is based on a competitive process with the intent to assemble the best qualified people for public performances. The production crews are basically composed of members of the classes in stagecraft, lighting, and design and costume, but emphasis is also placed on the opportunity for all students to volunteer to serve on committees of buildings, painting, sewing, making of properties, publicity, ushering, and box office management. Every production is a learning process for everyone participating.

Annually four full-length plays are presented in public performances. The plays are carefully chosen to provide a variety of entertainment, dramatic experience, and cultural value. Among the plays recently produced are: *Death of a Salesman*, *Richard III*, *The Time of Your Life*, *Le Bourgeois Gentilhomme*, *Long Day's Journey into Night*, *The Duchess of Malfi*, *Dark of the Moon*, *The Days Between*, *Misalliance*, *The Merchant of Venice*, *Centaur*, *Centaur!*, *The Importance of Being Earnest*, *How to Succeed in Business Without Really Trying*, and *As You Like It*.

Production methods and styles vary from the proscenium and picture-frame stage to open staging and theatre-in-the-round.

A chapter of a national honorary fraternity is made up of members elected from students who become eligible through successful work in the College theatre.

The William and Mary Debaters

The Intercollegiate Debate Council is an organization training students for participation in college debate tournaments. Any student interested in debate or other forensic activities may join the Council.

Under the guidance of the faculty Director of Forensics and the Department of Theatre and Speech, an extensive program of

training and tournament participation is carried on. Each year debators from the College enter about twenty intercollegiate debate tournaments. Debaters in recent years have traveled to tournaments at Dartmouth College, Florida State University, New York University, Duke University, Wake Forest College, Miami University, University of Georgia, University of South Carolina, Tufts University, Brooklyn College, Georgetown University, and many other eastern colleges. The College of William and Mary is affiliated with Delta Sigma Rho- Tau Kappa Alpha national honorary forensic fraternity. Outstanding college debaters may qualify for membership in this organization.

The Council sponsors the William and Mary Public Debate Series which provides the opportunity for members of the student body to express views on local and national issues. In this series visiting debate teams also meet College debaters in appearances before local high school assemblies. An extensive program of appearances before civic organizations, religious groups, and on radio and television outlets in Richmond and Norfolk is also carried on. Foreign debate teams from Oxford University, Cambridge University, and other English universities are brought to the campus each year for public debates. William and Mary students have been invited on several occasions to participate in demonstration programs before bodies of the Speech Association of America meeting in convention. The College hosts a high school debate tournament annually, and each year members of the Intercollegiate Debate Council are invited to serve as guest judges for Virginia High School League debate tournaments.

The Marshall-Wythe Debate Tournament is sponsored by the College each February. This event brings to the campus teams from thirty colleges and universities from all parts of the United States. The tournament has become known as one of the outstanding meets in the nation, offering both a unique setting and high quality debating.

The program is coordinated with the curricular offerings of the Department of Theatre and Speech, making use of the available means for teaching effective, intelligent, and responsible speech.

Lectures, Concerts, and Exhibitions

The cultural life at William and Mary is rich and varied.

Under the auspices of the Committee on Arts and Lectures, the College seeks to provide its students opportunities for enjoying a wide range of public lectures, concerts and films.

As a charter member of The University Center in Virginia, Inc., the College participates in a cooperative Visiting Scholars Program which annually brings to the campus for public lectures, readings and seminars, a great many distinguished scholars in all fields of learning, renowned authors and artists, and leading figures in public life. Additional public lectures are sponsored by the Committee in cooperation with various departments of the College and the Student Committee on Concerts and Lectures. These include an annual faculty lecture series consisting of five lectures by members of the faculty on a single theme. In 1966-1967 the theme under discussion was "Variations on a Theme of Riegels."

The William and Mary Concert Series annually offers to students, faculty, and area residents, on a voluntary subscription basis, four to six performances by outstanding artists of the professional concert stage. During the 1966-1967 season, for example, the College enjoyed performances by the Liebeslieder Waltzes; the City Center Joffrey Ballet; the Zurich Chamber Orchestra; the Newport Jazz Festival All Star Quintet; and pianist Eugene List.

Under the sponsorship of the Fine Arts Department, traveling and purchasing exhibits in painting, sculpture, architectural design, theatre and industrial arts are shown throughout each year in Phi Beta Kappa Memorial Hall. The final exhibition annually is devoted to the work of students in the Fine Arts classes.

Musical Activities

The College offers many musical opportunities to the student for pleasure, participation, and cultural enrichment. The student may choose to attend a wide variety of performances of unusual interest selected from the William and Mary Concert Series, faculty and student recitals, and the Collegium Musicum Series. Participation in the College Choir, Chorus, Band, Orchestra, and small vocal and instrumental ensembles is possible for interested and qualified students. The Campus Center, College Library, and Music Department provide facilities for record listening. Faculty and students of the Music Department participate in the



William and Mary Theatre presentations of musical productions.

The Collegium Musicum Series, sponsored by the Department of Music and open to the College and community without charge, presents programs of special interest. Included during the 1966-67 season were Gerald Moore, *Piano*; Larry Palmer, *Harpsichord*; Christiane Van Acker, *Mezzo-Soprano* and Michel Podolski, *Lute*; Vladimir Ussachevsky, *Composer*; David Dutton, *Oboe* and Beverly Biggs, *Piano*; Esther Coulange, *Soprano*; and Yfrah Neaman, *Violin* and Randolph Hokanson, *Piano*.

The William and Mary Choir, a select and mixed group, sings choral literature carefully chosen from among the best available sources. Formal concerts on campus, in the community, and on tour are part of the annual Choir agenda. The William and Mary Chorus, which is a group of women students of the College, provides music for various events on the campus and also appears in formal concerts.

The College Band serves as a dual organization during the academic year. For the football season, the Band performs as a marching unit, and is highlighted in pre-game and half-time

shows, pep rallies, and parades, appearing at both home and away games. After the football season, the Band functions as a concert organization, presenting formal and informal concerts on campus and on tour.

The William and Mary Chamber Music Players is an organization devoted to the study and performance of the best in chamber music. The organization consists of a Chamber Orchestra, and smaller ensembles made up from the more advanced players of the orchestra. In addition to the annual spring concert the Chamber Music Players are active in many special performances in the community.

Private instruction is available for interested and qualified students in piano, organ, voice, strings, winds, and percussion. The Music Department sponsors student recitals each year in which advanced students are afforded the opportunity and experience of public performance.

Television and Radio

The College operates a campus-limited, closed-circuit television facility and a non-commercial, FM radio station which reaches much of Eastern Virginia through the Colonial Educational Network. Radio and television have a two-fold purpose at William and Mary: the presentation of formal instruction and general information through these media, and curricular instruction of students in the practical application of broadcast principles.

All students are eligible for participation in the activities of the radio station, WCWM. Students serve on the station as producers, directors, announcers, writers and engineers. Opportunities are available in the television studios as boom operators, cameramen, and projectionists.

Religious Life

The College of William and Mary, though a church of England foundation, has been since 1799 entirely nonsectarian. It avails itself fully of the cordial spirit of pastoral concern which marks the various churches in the small and friendly city of Williamsburg. Many of the students participate in young people's organizations, among which are Balfour-Hillel, the Baptist Stu-

dent Union, the Canterbury Association, the Channing Forum, the Christian Science Organization, the Lutheran Student Association, the Newman Club, the Wesley Foundation, and the Westminster Fellowship. Representatives of these organizations form the Student Religious Union, which assists in the College chapel services, and sponsors Religion-in-Life events throughout the year.

The College maintains a weekly vesper service in the beautifully restored chapel of the Wren Building. Brief meditations are given by members of the administration, of the faculty and of the student body, as well as by outside speakers. A student leader presides at each service. Attendance at these services is voluntary.

Men's Athletics

In the George Preston Blow Gymnasium, the men's gymnasium, are two basketball courts, a swimming pool, three handball courts, volleyball courts, showers, lockers, athletic administrative offices, a trophy room, and a social room. Cary Field provides for the following facilities: tennis courts, baseball field, stadium for football, track, and field athletics (seating capacity 15,000), practice fields for varsity and freshmen football, and space for softball and intramural games.

The intramural sports program which is under the direct auspices of the Men's Department of Physical Education is designed to meet the needs and desires of all students as far as it is financially and educationally possible. The program evolves from the expressed desires of the students. The intramural director and other staff members of the Physical Education Department act primarily in organizational and advisory capacities.

Provision is made for participation in the following individual and team activities: badminton, basketball, bowling, free throws, golf, handball, horseshoes, softball, swimming, tennis, touch football, track and field, volleyball, and wrestling. League schedules and individual tournaments are arranged for dormitory, fraternity, and independent competition.

The general supervision of intercollegiate athletics for men has been delegated by the President to a faculty committee. The College is a member of the Southern Conference. H. Lester

Hooker, Jr., is the Director of Men's Athletics, and Edmund T. Derringe is the Business Manager.

Varsity and freshman intercollegiate teams, under the supervision of a competent staff of coaches who are appointed for the full academic year, are offered the following sports: baseball, basketball, cross country, football, golf, gymnastics, soccer, swimming, tennis, track and field athletics and wrestling.

In addition to the above sports, the College offers National Rifle Association-affiliated Varsity and freshmen rifle teams. All required equipment including arms and ammunition are provided by the ROTC Department. Participants are eligible for varsity letters.

Women's Athletics

Sports are conducted and supervised by a joint committee of faculty and students. The program of physical education activities for women provides opportunity for intramural competition, interest groups, and limited participation in games with other colleges. Awards for accomplishment are the intramural emblem, varsity monogram, and individual honor awards.

Provision is made for intramural participation in the following activities: archery, badminton, basketball, bowling, hockey, softball, swimming, tennis and volleyball. Schedules are arranged for dormitory, sorority, and individual competition in groups or teams according to the ability of the participant. Tryouts are held each year for membership in the Synchronized Swimming Club and Orchesis, the dance club.

The Cornelia Storrs Adair Gymnasium provides facilities for fencing, badminton, volleyball, and basketball. The swimming pool and dance studio are located in this building.

The women's athletic fields provide ample space for outdoor activities including archery, hockey, lacrosse, softball and tennis.



Bryan Hall, Men's Dormitory

SUPERVISION OF STUDENTS AND COLLEGE REGULATIONS

SUPERVISION OF STUDENTS

THE DEANS ENDEAVOR to follow carefully the progress and behavior of every student in College and by personal interest and advice to insure proper conduct and attention to duties. The social activities of the women students, both within and without the College, are under the direction of the Dean of Women.

Reports showing the standing of students in their classes are sent to parents or guardians at the middle and the end of each semester. Students who in any semester accomplish a normal program of studies with a quality point average of 2.20 and no grade below "C" will be placed on the Dean's List of Distinction for the following semester.

For academic guidance at registration each student is assigned a faculty adviser.

STUDENT'S PROGRAM

All students, other than graduate and part-time students, are required to carry the normal program of at least fifteen and no more than seventeen semester hours (counting courses in Physical Education), with the exception that any student may, with the consent of his adviser, carry eighteen semester hours (counting courses in required Physical Education).

Further deviations from the normal program, when warranted by special circumstances, will be permitted by the Committee on Academic Status after the registration period; students desiring this permission should apply in writing to the Dean of Men or the Dean of Women. Only to exceptionally able students, however, will the Committee on Academic Status grant permission to carry more than eighteen semester hours.

CLASSIFICATION OF STUDENTS

A sophomore student must have completed at least twenty-four (24) credits in academic subjects, with at least twenty-four

(24) quality points. A junior student must have completed at least fifty-four (54) credits in academic subjects, with at least fifty-four (54) quality points. A senior student expecting to graduate in June must have completed eighty-five (85) credits in academic subjects, with at least eighty-five (85) quality points. The social standing of every student is identical with the academic.

CHANGES IN REGISTRATION

In order to add a course to or drop a course from the program of courses for which they originally registered, men students must make application for such a change to the Dean of Men, and women students, to the Dean of Women. If the application is granted, the dean will then notify the Registrar of the change. The Registrar, in turn, records the change on the student's registration card and informs the instructor or instructors concerned. *Unless a course change has been made in that manner it has no official standing and will not be recognized as valid by the College.* After the first week of classes in a semester, the only course changes which are permitted by the deans are those initiated by the faculty and approved by the Dean of the Faculty.

WITHDRAWAL FROM COLLEGE

Students who desire to withdraw from College should apply to the Dean of Men or the Dean of Women for permission to withdraw. The permanent record card of any student who withdraws from College without permission from the proper dean will carry the notation "Withdrew unofficially."

It is the policy of the College to allow appropriate credit to students who are required by the Selective Service System or other military organization to withdraw from college during the course of a semester to enter military service. The regulations defining this policy are available on request.

CONTINUANCE IN COLLEGE

A student must accomplish in each semester of attendance a minimum of eight semester credits in academic subjects and earn at least five quality points.

A student in his freshman year must acquire at least 20

semester credits and earn 16 quality points. In his sophomore year a student must earn 24 semester credits and 24 quality points. Moreover, a student who has completed two years may not continue in College unless he has accumulated 48 semester credits with 48 quality points including satisfactory completion of 12 distribution courses. He must also have declared his field of concentration. A student who has met these requirements except for certain distribution courses may be permitted to attend the summer session of this College in order to complete the distribution requirements, but this permission does not extend to satisfaction of the credit and quality point requirement.

In his third and fourth years of attendance a student must accomplish a minimum of 27 semester credits with 27 quality points in each year.

ABSENCE FROM CLASSES AND FROM COLLEGE

An educational system centered upon classroom instruction justifies a set of regulations and procedures to aid in assuring satisfactory class attendance. These attendance regulations are designed by the faculty to limit the number of unnecessary class absences since irregular class attendance jeopardizes the student's progress and detracts both from instruction and from learning. These regulations provide that a large measure of individual responsibility be given to students on the Deans' Lists and to those in more advanced courses.

Registration

Students are expected to keep their registration appointments. Unless excused by the Dean of Men or the Dean of Women, students who fail to present themselves at the appointed time for registration will be placed on *absence probation*.

Class Attendance

1. Students are expected to be present at all their regularly scheduled classroom appointments.

2. All absences in 100 and 200 courses are recorded by the instructor. Whenever a student has accumulated a total of one unexcused absence per credit hour, the instructor shall report him

to the Dean of Men or the Dean of Women, who will issue a warning to the student. The instructor shall immediately report any subsequent unexcused absence; on the first such absence, the dean will place the student on absence probation.

3. Students whose attendance, in the opinion of the instructor, becomes unsatisfactory in 300, 400, and 500 courses shall be reported to the Dean of Men or the Dean of Women. When such a report has been received, a warning shall be issued by the dean, and if a subsequent unexcused absence be reported in that course, the student will be placed on absence probation. Any additional unexcused absence in that course will make the student subject to suspension from the College by action of the Committee on Academic Status. The authority for excusing absences from 300, 400, and 500 courses is the instructor in the course.

4. Students, unless on the Deans' Lists, or unless excused by the Dean of Men or the Dean of Women, who fail to keep their last scheduled classroom appointment in each of their courses preceding and their first scheduled classroom appointment in each of their courses following the Thanksgiving, Christmas, and Spring holiday periods will be placed on absence probation.

5. After the completion of one semester of regular college work beyond the one in which the absence probation was incurred, absence probation will be removed.

A student placed on absence probation under any of the above provisions (whether for absence from a registration appointment, for absence immediately before or after a holiday, or for absence from classes at other times) who, before that absence probation is removed, incurs a second absence probation, shall be subject to suspension from the College by action of the committee on Academic Status, and if suspended, may not apply for readmission until a full semester has elapsed, but a student readmitted after such suspension shall not be considered as being on absence probation.

6. Attendance regulations, with the exception of registration appointments, do not apply to students on the Deans' Lists, or to those students who are enrolled in a course for which they will not claim college credit.

EXAMINATIONS

The examinations, given at the end of each semester, take place at the times announced on the examination schedule, which is arranged by the Dean of the Faculty and posted at least two weeks before the beginning of the examination period. Students are required to take all of their examinations at the time scheduled, unless excused on account of illness or other sufficient reason by the Dean of Men or the Dean of Women. Students should present their reasons for an expected absence to the proper dean in advance of the examination. No excuse on the ground of illness will be accepted unless it is approved by the College physician.

Deferred examinations are provided for students who have been excused by the Dean of Men or the Dean of Women from taking their examinations at the regular time. The deferred examinations for courses in the first semester are given in the fourth week of the second semester; the deferred examinations for courses in the second semester are given during the orientation period in September. Except under very exceptional circumstances students are not permitted to postpone the taking of a deferred examination beyond the first occasion thus regularly provided; and in no case will permission to take a deferred examination be extended beyond a year from the time of the original examination from which the student was absent. The schedule of the deferred examinations, arranged by the Dean of the Faculty, will be posted several days in advance of the time at which they are given, and a copy of it will be mailed to each student who is entitled to take a deferred examination.

The College does not authorize re-examinations.

RESIDENCE

All undergraduate students except those coming daily from their homes, are required to live in the College residence halls. Exceptions to this regulation may be granted by the Dean of Students when good reason for so doing exists. Married students may not reside in College residence halls.

All resident students who are classified as freshmen or sopho-

mores are required to board in the College dining hall. For all other students, boarding in the College dining hall is optional.

Because of the excessively heavy demand for admission by many students who do not live within commuting distance of a college, there is an increasing obligation on the part of the College of William and Mary, as a residential institution, to accommodate as many such students as possible. In order to do so, it becomes necessary for the College to reserve its dormitory housing for those students coming from areas outside the immediate Williamsburg vicinity. Those students, therefore, who have a Williamsburg *mailing* address will not be permitted to reside in College housing until they have achieved junior standing, and then only if vacancies in dormitories occur whereby their accommodation would be permitted.

STANDARDS AND RULES OF SOCIAL CONDUCT

General Statement

Registration as a student at the College of William and Mary implies that the student will familiarize himself with the rules and regulations governing the conduct of students, and that he will abide by such regulations so long as he remains a student at the College.

When students, other than day students, are dropped from the roll or are required to withdraw for reasons other than academic, or are suspended for disciplinary reasons, they must forthwith leave the College and the vicinity. Until this requirement has been fulfilled, they remain subject to the authority of this institution and may be expelled. Such students may not visit the College or attend a College activity without first obtaining permission from the appropriate dean, i.e., the Dean of Men or the Dean of Women.

The College assumes that men and women of college age are able and willing to maintain standards of self-discipline appropriate to membership in a college community. However, it reserves the right to take disciplinary measures compatible with its own best interest.

The discipline of the College is vested in the President by the

action of the Board of Visitors. Cases involving minor infractions of discipline are handled through the offices of the Dean of Men and Dean of Women, respectively. Serious infractions are considered by the Discipline Committee, which represents administration, faculty, and students. When men and women are jointly involved in misconduct or violations of College regulations, they will be held equally responsible.

Aside from cheating, lying, and stealing, which fall under the Honor System, and infractions of the rules set down by the Women's Dormitory Association, the fundamental test for disciplinary action by the College authorities is whether the behavior complained of tends to throw discredit on the name of the College of William and Mary or to manifest undesirable conduct on the part of the students. The College reserves the right at any time to suspend or dismiss a student whose conduct or academic standing is in its judgment unsatisfactory.

Marriage

1. Students Under Twenty-One

Any minor student who marries without the full knowledge and consent of his or her parents will be required to withdraw. Such consent must be obtained in writing by the parents at least a week prior to the marriage.

2. Students Over Twenty-One

A student twenty-one years of age or over must give written notice in advance of his or her intention to marry. Failure to do so may result in dismissal from the College.

Manners and Habits of Living

Manners and behavior that would not be tolerated in the student's home cannot be tolerated in the classroom, the dining halls, or the residence halls. The College highly approves of regular habits of living, and these include hours of rising and retiring that are compatible with regular classroom appointments and regular study habits. Long experience has shown a striking correlation between irregular and slovenly habits of living and lack of adequate performance in the classroom.

Students are expected to keep their rooms reasonably neat and tidy at all times. It is also expected that a student's dress and conduct in the dining hall be consistent with that of his home life.

Dress

Maintenance of high standards of personal dress which characterize the women students of the College of William and Mary necessitates the establishment of certain regulations concerning the wearing of sports attire. Shorts, pedal pushers, slacks, dungarees, gym suits, or other such clothing are not to be worn in public or in academic buildings (including the library). Specific regulations concerning the wearing of dungarees or Bermuda shorts outside the residence halls may be found in the Women's Dormitory Association Handbook.

Vandalism and Disturbances

In general, the College strongly disapproves of all forms of vandalism and disturbance. Students who deface property or destroy fixtures will be dealt with summarily. The defacement or destruction of state property is a violation of the laws of the Commonwealth of Virginia. Students who through noisiness or other disturbance continually annoy their neighbors or who participate in riots or mob action will be required to withdraw.

Hazing

Hazing, or the subjection of a student to any form of humiliating treatment, is forbidden. The hazing of students in a state-supported institution is a violation of the laws of the Commonwealth of Virginia.

Alcoholic Beverages

The College wishes to encourage and to promote the highest standards of conduct and personal behavior on the part of William and Mary students. Since the College does not believe in the use of alcoholic beverages by students, a statement of policy is necessary in the interests of the College community.

The possession or consumption by William and Mary students, or their guests, of alcoholic beverages of any kind, or alcoholic content anywhere on the campus or in any College building, residence hall, sorority house, or fraternity lodge is prohibited; nor may alcoholic beverages of any kind or content be served or consumed at any dance or other social function given in the name of the College or sponsored by any student organization or group. It shall be the responsibility of the sponsoring student organization or group and its officials to enforce this regulation. Violation of this regulation may be punished by loss of social privileges, probation, suspension, or separation from the College.

Participation in Extracurricular Activities and Eligibility for Class Office

Students are required to pass twenty-four semester credits during the previous year before they may represent the College in athletic contests, intercollegiate debate, dramatic productions, or other similar extracurricular activities.

No student shall be eligible to hold a class office unless he is a member in good standing of the class which he seeks to represent.

Public Performances and Parties

No person or group of persons associated with the College of William and Mary shall give either in Williamsburg or elsewhere a public performance of any kind unless prior to the first rehearsal the said person or group of persons shall have obtained from the office of the President permission to present the entertainment. In order to secure permission, those in charge of the performance must make written application to the President of the College.

AUTOMOBILE REGULATIONS

General Statement

By regulation of the Board of Visitors, students are not allowed to have automobiles, except by special permission, which is to be secured from the President through the Dean of Men. When a

student has secured special permission to have or operate an automobile, it is expected that the use of the automobile will be limited to the purposes for which the permission is granted.

Application of the Regulation

1. Except as noted below, no student shall, while College is in session, maintain or operate a motor vehicle in Williamsburg or vicinity.
2. Storing or otherwise keeping an automobile in Newport News or Richmond or other places in this area for occasional use is a violation of this regulation.
3. A student who rides in a car which is used in violation of this regulation will be held equally guilty with the owner or driver.
4. If a student wishes to bring his luggage to the College in an automobile, that automobile must be returned to his home before 6:00 p.m. of the day preceding the day on which classes begin. A student must not bring an automobile to the College unless he can provide for its removal from Williamsburg at that time.

Special Permissions and Exceptions to the Regulation

1. Special Permission

(A) Special permission to have automobiles at the College will be granted to physically handicapped students whose disability makes it necessary that they have access to automobile transportation.

(B) Special permission will be granted to those students who can demonstrate that an automobile at the College is essential to necessary part-time employment in Williamsburg.

(C) Candidates for the Bachelor's Degree at the June Commencement are granted special permission to bring automobiles to Williamsburg on the Friday immediately preceding Commencement day and to keep these automobiles at the College until the conclusion of the session. This special permission does not apply to other students.

2. Exceptions to the Regulation

(A) Married Students and Day Students

The automobile regulation will not be applied to married students whose families are residing in Williamsburg or to day students who commute to the College from their homes.

(B) Candidates for Master's and B.C.L. Degrees

Students who have been accepted as candidates for the Master's Degree and students who have received the Bachelor's Degree and who are studying for the B.C.L. Degree will be exempt from the regulation.

Registration Requirements

1. Registration of Vehicles

All students having automobiles, including day students, students granted special permission to have automobiles and students exempt from the regulation, must register their cars at the Office of the Dean of Men and at the Office of the Superintendent of Grounds and Buildings and are subject to the Student Motor Vehicle Rules and Regulations.

2. Williamsburg City Tag Requirements

Every student who keeps a car within the City of Williamsburg for 60 days or more (whether consecutive or not; whether an out-of-state car or not; whether owned by him in whole or in part or not) must procure annually a City tag and keep it attached to his car while driving on any public street or alley within the corporate limits of the City. The year is from January 1 to December 31. The cost of the tag is \$10.00 for a full year.

Penalty for Violation of the Regulation

Students who violate the automobile regulation will be subject to dismissal from the College.

STUDENT PERSONNEL SERVICES

HEALTH SERVICE

THE PURPOSE of the Health Service is fourfold: (1) improvement of the health of the students; (2) prevention of diseases; (3) supervision of campus sanitation, which includes inspection of sanitary conditions of cafeterias, dining halls, dormitories, and swimming pools; and (4) instruction of students in matters essential to healthful living.

The Health Service is housed in the David King Infirmary, a modern, fireproof building containing out-patient clinic, dispensary and waiting room, diet kitchen, and eighteen-bed infirmary.

A health certificate is required of all entering students. During each semester, each student is entitled to the use of the Medical Services. The medical services are as follows:

1. Medical care in the Health Service clinic for minor and incipient illness and accidents. Necessary staple drugs and dressings are included.
2. Health consultation service with the medical staff.
3. Special medical examinations for certification of students which is required for participation in intercollegiate athletics and other forms of strenuous activity.
4. Hospitalization in the Health Service infirmary for a limited period, for minor and incipient illness when bed care is advised by the College physician. The College does not, however, assume the cost of special nurses, consulting physicians, surgical operations, X-rays or laboratory tests, care in other hospitals, or special medications. Meals are charged the student at the prevailing dining hall rate.

The College Health Service provides the services listed above, but it lacks facilities for prolonged hospitalization, post-operative care and special diets. Students who require these facilities will be permitted to withdraw from the College for medical reasons without prejudice to their academic records.

THE PSYCHOLOGICAL COUNSELING CENTER

The Psychological Counseling Center offers counseling to students in two major areas: Personal counseling, or helping to deal more effectively with problems of social and personal adjustment, and vocational counseling, involving the planning of a major course of study or the pursuit of an appropriate vocation or career upon graduation. The Counseling Center, however, deals with whatever problems a student might have, regardless of category, either by working directly with the individual or by making appropriate referrals.

Various tests are sometimes used by the Counseling Center as a means of more effectively assisting a given individual in dealing with his particular problem. This means that testing is not done routinely, but may be recommended as part of a careful assessment of the individual student's needs and goals. Regardless of the type of problem brought in by the student, all activities and records of the Counseling Center with respect to the student's relationship to the Center are completely confidential.

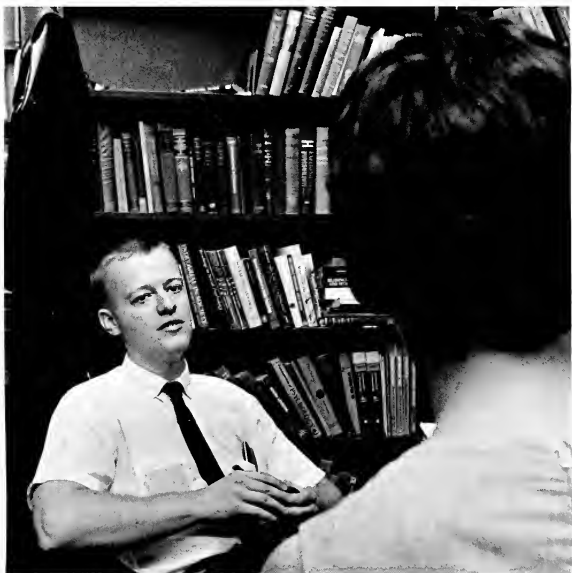
In addition to its individual counseling activities, the Counseling Center serves as a regional center for the administration of certain national testing programs. This is done primarily as a service to William and Mary students, particularly those who are candidates for advanced academic work. Included are the Graduate Record Examinations, The Law and Medical Aptitude Tests, and the Miller Analogies Test.

BUREAU OF SENIOR AND ALUMNI PLACEMENT

The College maintains a Placement Bureau for seniors and alumni through which nonteaching placements are made. This faculty-sponsored organization helps seniors to obtain employment with business and industrial organizations. At the same time it assists business and industry in obtaining a trained body of men and women. The Placement Office also offers its services to the alumni who are seeking job transfers after they have been out of college a number of years. Frequent requests come from industrial and business concerns for men who are available for employment and who have had experience.

Personal records of seniors and alumni are made available to

professional, governmental and business organizations interested in employing men and women from the College. The Placement Bureau maintains cordial relationships with many employers and devotes considerable effort each year to placing in permanent positions those students who seek employment. Company representatives are invited to the campus to confer with students and to discuss not only the qualifications necessary for success in their special fields but to explain business opportunities and to make job offers to graduates. In recent times representatives of nationally recognized business concerns have been visiting the campus at the rate of about one hundred per year. These representatives are given every assistance in their recruiting programs. Free services of the Bureau include vocational counsel and personal aid in securing satisfactory positions.



THE SOCIETY OF THE ALUMNI

THE SOCIETY of the Alumni of the College of William and Mary in Virginia was founded in 1842 and incorporated on March 17, 1923. Its purpose is to organize the alumni of the College of William and Mary in one general body, in order to keep alive the memories of college life and promote the welfare of the College. Any alumnus who has completed one regular college semester at the College in Williamsburg and has received honorable dismissal is eligible for membership in the Society. Contributors to The William and Mary Fund are accorded all membership privileges. *The Alumni Gazette*, the official publication of the Society, is sent to all living alumni.

The officers of the Society are: Alphonse Felix Chestnut, '41, President; John N. Dalton, '53, Vice President; Kathryn Leigh Chiswell (Sweeney), '35, Secretary-Treasurer; James Sands Kelly, '51, Executive Secretary.

The members of the Board of Directors of the Society are:

To December 1967—John Arthur Barba, Jr., '40, Short Hills, New Jersey; Alphonse Felix Chestnut, '41, Morehead City, North Carolina; John N. Dalton, '53, Radford, Virginia; Otto Lowe, Jr., '55, Manhasset, New York; A. Addison Roberts, '35, Malvern, Pennsylvania.

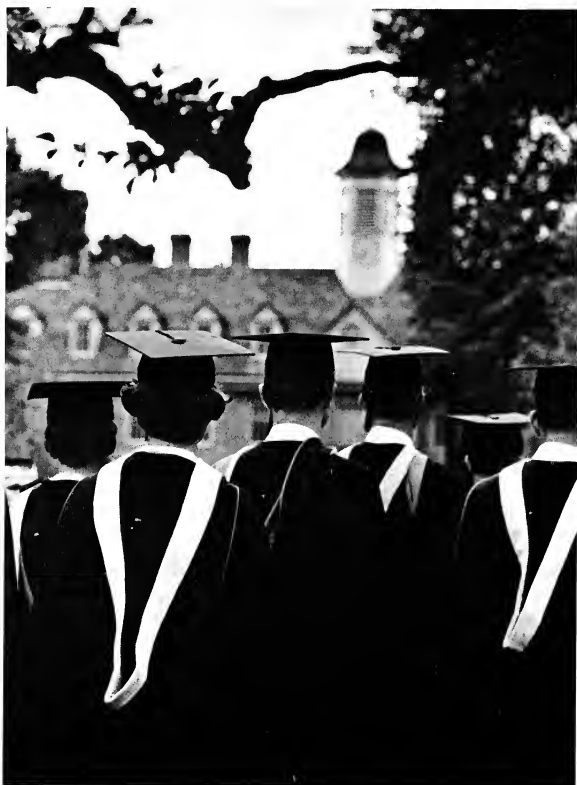
To December 1968—Kathryn Leigh Chiswell (Sweeney), '35, Lynchburg, Virginia; Walter Joseph Zable, '37, San Diego, California; William E. Pullen, '22, Flint Hill, Virginia; John E. Hocutt, '35, Newark, Delaware; Robert A. Duncan, '24, Williamsburg, Virginia.

To December 1969—Dixon Littlebury Foster, '44, Irvington, Virginia; Mary Permelia Pauly (Chinnis), '46, Alexandria, Virginia; Betty Lee Hicks (Wagner), '51, Richmond, Virginia; Howard Hopkins Hyle, '48, Atlanta, Georgia; Hugh Smith Hayne, '50, Louisville, Kentucky.

The members of the Alumni Board of Trustees of the Alumni Endowment of the College of William and Mary are: Jay Wilfred

Lambert, '27, Williamsburg, Virginia; Robert A. Duncan, '24, Williamsburg, Virginia; Robert Stanley Hornsby, '41, Williamsburg, Virginia; Edward Nelson Islin, '25, Newport News, Virginia; ex-officio—the President of the Society of the Alumni.

The Alumni Office is located in Ewell Hall.



FEES AND EXPENSES

THE COLLEGE RESERVES THE RIGHT TO MAKE, WITH THE APPROVAL OF THE PROPER AUTHORITIES, CHANGES IN TUITION AND OTHER FEES AT ANY TIME.

Payment of Accounts

Principal fees, and room and board fees, and laundry are payable in advance by the semester, remittance being made by check drawn to the College of William and Mary.

Students will not be allowed to complete registration unless their registration cards have first been approved by the Treasurer-Auditor's Office. This preliminary procedure can be accomplished by mail and should be completed upon receipt of student's statement of account.

First semester accounts are due on or before September 5, or within 10 days after receipt of bill, if same is received after August 27. Second semester accounts are due on or before January 15.

Refunds to Students Withdrawing

Subject to the following regulations and exceptions, all charges made by the College for room, board and fees are considered to be fully earned upon the completion of registration by the student.

1. A student withdrawing within a period of five days after the scheduled registration period is entitled to a refund on charges except that \$10.00 shall be retained by the College to cover the expense of registration. (These refunds shall not include any deposits or advance payments that may have been required by the College as evidence of the student's intention to enroll, or the amount of \$12.00 charged for board for students who attend the orientation period.)

2. A student withdrawing at any time within the first 30 days after the scheduled period of registration shall be charged 25 per cent of the semester's room rent and fees.

3. A student withdrawing at any time within the second 30-

day period after the scheduled registration shall be charged 50 per cent of the semester's room rent and fees.

4. A student withdrawing at any time after 60 days following the date of registration shall be charged the full semester's room rent and fees.

5. No refunds of fees or room rent will be made to a student who has been required to withdraw by the College regardless of the date of withdrawal.

6. In cases of withdrawal from College, charges for board will be calculated on a pro-rata basis.

Credits on Accounts of Scholarships Holders

Students holding scholarships are required to pay all fees less the value of the scholarship which they hold.

Withholding of Transcripts and Degrees in Case of Unpaid Accounts

Transcripts or any other information concerning scholastic records will not be released until college accounts are paid in full. Degrees will not be awarded to persons whose college accounts are not paid in full.

Cashing of Student Checks

The College does not have facilities for handling deposits for students' personal expenses but the Treasurer-Auditor's Office is prepared to cash checks up to \$25.00. All such checks should be made payable to the student or to cash. Under our regulations as a State institution, we are not permitted to cash checks made payable to the College of William and Mary.

FEES AND OTHER EXPENSES

Tuition and General Fee (\$219.00 per semester for State Students and \$499.00 for Out-of-State Students) is a payment towards the general maintenance and operating costs of the College including recreational and health facilities. (Board, room and laundry are additional.)

The Act affecting residency is as follows:

"Be it enacted by the General Assembly of Virginia, That no person shall be entitled to the admission privileges, or the reduced tuition charges, or any other privileges accorded by law only to residents or citizens of Virginia, in the State institutions of higher learning unless such person has been domiciled in and is and has been an actual bona fide resident of Virginia for a period of at least one year prior to the commencement of the term, semester, or quarter for which any such privilege or reduced tuition charge is sought, provided that the governing boards of such institutions may require longer periods of residence and may set up additional requirements for admitting students."

Laundry Fee

The fee (\$16.00 per semester) covers the laundry requirements of the average student and is required of all students living in dormitories, sorority houses and fraternity lodges.

Board

The College operates a large cafeteria and a snack bar, together seating over 900 persons. The dining halls are not operated for profit.

All students who are officially classified as freshmen and sophomores and who are dormitory residents (including residents of the College-owned sorority houses and fraternity lodges) will be charged for board at the rate of \$225.00 per student per semester for the period beginning on September 14, 1967. (Students entering for the orientation period beginning September 10, 1967, will be charged an additional \$12.00.) Board is payable in advance unless special arrangements are made with the Treasurer-Auditor's Office.

Each student will be issued a Dining Hall Card which entitles that student to three meals daily for a period of approximately 120 days during the semester. The Christmas and Thanksgiving recesses during the first semester and the spring recess in the second semester are not included in the 120 days for which board is charged.

The Dining Hall Card will not be usable in the Wigwam (Coffee Shop).

The daily menus afford a choice of salads, desserts and beverages. There is no choice of entrees or vegetables served at each meal except on Friday.

It shall be optional with students not living in dormitories and students other than freshmen and sophomores whether they board in the College Dining Hall. They may elect to board by the semester in the Dining Hall in which case the charge for board will be \$225.00 per student per semester of approximately 120 days, or they may purchase a monthly Dining Hall Card for \$58.00 which will entitle the holder to three meals per day for a thirty-day month.

In cases of withdrawal from the College, the student will be given a refund calculated on a pro-rata basis determined by the date of official withdrawal, provided the Dining Hall Card is surrendered to the Treasurer-Auditor on this date.

Owing to uncertain conditions prevailing with respect to the cost of food supplies and of food service, the College reserves the right to change its rates for board at any time throughout the year to meet such additional costs.

Room Rent

Men: Room rent in the men's dormitories varies from \$100.00 to \$225.00 per semester depending on the size of the room, location, bath, etc.

Women: Room rent in the women's dormitories varies from \$155.00 to \$225.00 per semester depending on the size of the room, location, bath, etc.

ESTIMATE OF SEMESTER EXPENSES

	<i>Low</i>	<i>Medium</i>	<i>High</i>
Board	\$225.00	\$225.00	\$225.00
Tuition and General Fee (State Student)	219.00	219.00	219.00 ¹
Room Rent	100.00	175.00	225.00
Laundry	16.00	18.00 ²	20.00 ²
Totals	\$560.00	\$637.00	\$689.00

¹For out-of-State students add \$280.00.

²For excess over and above normal requirement.

INCIDENTAL EXPENSES

It is impossible to estimate the exact cost to students of clothing, travel and incidental expenses. These are governed largely by the habits of the individual. The College endeavors to minimize temptation to extravagance. The size of Williamsburg aids materially in this matter by not subjecting the students to the diversions of a larger city. As the demands for extra money are small, parents are advised to furnish only a small sum.

The cost of books depends somewhat on the courses taken, but will seldom be less than \$100.00 a year and does not usually exceed \$125.00 a year.

Money for books cannot be included in checks covering college expenses; books should be paid for in cash or by separate check when purchased. Checks for books should be made payable to the William and Mary Bookstore.

NON-RECURRING FEES

Application fee	\$10.00
Room deposit	25.00
Room change fee	5.00
Bachelor's diploma	10.00
Master's diploma	10.00
Academic costume rent to seniors	5.00
Deferred payment fee	5.00

Application Fee—A non-refundable processing fee of \$10.00 is required with undergraduate freshmen and transfer applications for admission to the College. This fee is not credited to the student's account. Students applying for admission from Christopher Newport and Richard Bland Colleges are excluded from payment of this fee.

Room Deposit—A deposit of \$25.00 is required by the College for a student to reserve a room. This payment is made to the Treasurer-Auditor and is applied on the student's regular college account.

This deposit may be made by students already enrolled at any time after the beginning of the second semester, but *must* be paid before April 15. No rooms will be reserved for students who have not paid their room deposit by the specified date.

The room deposit will be returned only to those students who cannot be accommodated in the dormitories or who cancel their reservations on or before July 1.

Students enrolling for the first time may not make a room reservation deposit until they have been notified of their admission to the College. The room deposit for entering students is not refundable.

Room assignments for women will be made by the Assistant Dean of Women. Room assignments for men will be made by the Assistant Dean of Men. Assignments will be made in order of priority of application.

Room Change Fee—Students are given two weeks to become settled in their rooms. Changes after this period will only be permitted after the payment of \$10.00.

Diplomas—The charge for the Master's diploma is \$10.00, and the charge for the Bachelor's diploma is \$10.00. These fees are payable at graduation.

Academic Costumes—Both senior and graduate students are furnished an academic costume at the cost of \$5.00. This fee is payable at graduation.



ADMISSION TO THE COLLEGE

BY ACT OF THE General Assembly of Virginia, men and women are admitted to the College on the same conditions.

Applicants for admission must present their applications on printed forms obtained from the office of Admissions. While priority of application does not guarantee selection, candidates should plan to apply before January 1. Assignments to rooms are made after selection for admission, in the order of date of application for admission.

The first selection of applicants will be made as soon as practicable but not later than March 31. Candidates will be notified of the action as soon after the completion of their applications as is feasible.

THE SELECTIVE PROCESS OF ADMISSION

The essential requirement for admission to the College of William and Mary is graduation in the upper half of the class from an accredited secondary school, with a minimum of sixteen units or the equivalent of this requirement as shown by examination. Candidates for admission from secondary schools requiring more than the normal four years for graduation may be accepted when their transcripts show the full equipment of graduation from a four-year secondary school in the upper half of the class.

Since the number of applicants who meet the essential requirement is considerably in excess of the number that can be admitted, the College selects those who present the strongest qualifications in scholarships, character, and breadth of interests.

The high school record, the recommendation of the principal, test scores and such other sources of information as may be available will be utilized in determining the applicant's fitness for selection.

Scholarship

Evidence of superior achievement in the secondary school is considered of prime importance in determining selection for admission. High rank in the graduating class will be taken as pre-

sumptive evidence of superior scholarship and will weigh heavily in the applicant's favor.

Although the College does not prescribe specifically the high school units to be presented, preference will be given to candidates who present at least four units in English, three in a foreign language (ancient or modern), or two in each of two foreign languages, two in history, three in mathematics, and two in science. The remainder of the sixteen units should consist of additional credits in these preferred subjects.

Personal Qualifications and Ability to Adjust

Evidence of good moral character and of such traits of personality as will make for desirable adjustment to the College will be considered of importance comparable to the student's academic achievement; such characteristics as determination, enthusiasm, self-discipline, imagination and ability to work with others are important, and it is understood that these terms necessarily deal with intangibles. In general, however, the student whom the College desires to enroll is the person of genuine intellectual ability and moral trustworthiness; in addition, he or she should possess the qualities that will make for friendly and congenial relations in the College group. Recommendations from alumni may be requested when the College deems them necessary. Also, other references may be asked to supply information pertinent to the character and other qualifications of the candidate.

Performance in Extracurricular Activities

A record of interested participation in extracurricular activities when accompanied by good achievement in the field of scholarship increases the likelihood of the applicant's selection. The Committee, therefore, takes into account the participation of the candidate in such fields as publications, forensics, athletics, and the arts.

Tests of the College Entrance Examination Board

Freshman applicants must take the Scholastic Aptitude Test and three Achievement Tests of the College Entrance Examination Board. The Achievement Tests are *specifically required* in

English Composition, Foreign Language—preferably in the language that the student plans to continue in college, and Mathematics—Level I (Standard) of Level II (Intensive). These tests should be taken no later than January of the final year in secondary school. There are no minimum scores required, since the results of these tests are used with other information in determining the student's academic potential and for counseling and placement. Information regarding these tests may be obtained by writing to the College Entrance Examination Board, Box 592, New Jersey, and the applicant must request that his scores be reported directly to the College from that agency.

Interviews

Interviews are not usually required and are used primarily for general information purposes. If after reviewing the record of an applicant, the Committee on Admissions desires additional information, an interview may be required by an alumnus or a member of the Admissions Staff. Unless the interview is specifically requested by the Dean of Admissions, the fact that the applicant is unable to talk with a member of the Admissions staff will have no bearing on his application. Individuals who plan to visit the College should contact the Office of Admissions in advance in order that a specific time and date can be arranged.

Admission of Transfer Students

In order to admit as large a freshman class as possible, preference is given to those students who wish to enter the College directly from secondary schools; therefore, the admission of transfer students is very limited.

In order to be considered for admission, the applicant must have maintained an overall "C" average in courses taken for credit in other institutions.

No student may be considered for admission to the College (undergraduate, graduate, or law) unless he is, or at the time of departure was, in full academic and social good standing at his previous institution or institutions and unless an official transcript or other communication from said institution indicates this fact and the fact that he is entitled to honorable dismissal.

Early Decision Plan

The College admits a limited number of freshmen students under the Early Decision Plan. This is a special plan designed to reduce the burden of the admissions process for those applicants who are considered highly desirable for admission by the College and who fully intend to matriculate. Students applying for early decision should possess high academic qualifications and have decided that William and Mary is their first choice of Colleges. Early decision applicants who are not selected under this plan will be considered in relationship to other applicants for available spaces under the regular admissions process.

Procedure to be used in Applying for Early Decision

1. Submit preliminary application card and application fee. Beginning in August preceding the final year in secondary school, all applicants who have submitted preliminary application card with fee will be sent a personal application form with complete instructions and a letter of intent to be submitted in applying for admission under the Early Decision Plan.

2. Applicants applying for admission under the Early Decision Plan should plan to take the Scholastic Aptitude Test before the beginning of the senior year and the Achievement Tests no later than January of their final year in secondary school.

3. Submit personal application, letter of intent, secondary school record, and Scholastic Aptitude Test scores before November 1 of the senior year.

4. The Office of Admissions will notify the candidate of the action taken on his application for early decision by November 15.

5. The applicant who has been notified of his acceptance by the Office of Admissions must signify his final intention to enroll in the College by paying a non-refundable deposit by December 1.

The Advanced Placement Program

The College participates in the Advanced Placement Program of the College Entrance Examination Board. This program offers to able and ambitious students, who have a strong preparation,

the opportunity to qualify for advanced placement and credit in Biology, Chemistry, English, History, Latin, Mathematics, Modern Languages and Physics.

Successful candidates for admission who wish to be considered for advanced placement and credit should take the Advanced Placement Tests of the College Entrance Examination Board and have these scores reported to the College. After consideration of the test papers and other evidence concerning proficiency in the subject area, the student will be informed of the decision of the department concerned regarding advanced placement and credit. Students who are successful in gaining advanced placement and credit will be provided with more time than normal to pursue courses in areas related to his field of concentration or in other areas of interest, rather than the repetition of courses in which proficiency has been established by work on the secondary school level.

ADMISSION TO THE GENERAL HONORS PROGRAM

The College each year admits a limited number of beginning freshmen into a general honors program. This program brings together students of outstanding capability and makes available to them informal colloquia, honors courses, and other special academic opportunities. The object of the program is to stimulate within both the individual and the group the processes of intellectual excitement and intellectual growth.¹

Entering freshmen are selected for the program on the basis of College Board aptitude scores, rank in class, a letter of recommendation, and other evidences of high motivation and a sense of general involvement. The normal process of admission, which occurs during the spring preceding registration, is as follows: (1) Invitations to apply for the program are extended by the Office of the Director of Honors to a select group of high school seniors who have already been accepted by the College. (2) Applications should be returned as soon as possible in order to receive the most favorable consideration. (3) Every applicant is notified of the action taken on his application no later than mid-June.

¹See page 211 for additional information on general honors.

Requests for further information or inquiries concerning the Honors Program should be addressed to: Director of Honors, College of William and Mary, Williamsburg, Virginia.

UNDERGRADUATE ADMISSION TO THE SCHOOL OF EDUCATION

Applicants must be admitted to the College prior to admission to the School of Education. Applications for undergraduate concentration are accepted the semester prior to the time the student expects to enroll in the School of Education as a concentrator. Final approval for admission will not be given until the student has attained junior standing in the College.

ADMISSION TO GRADUATE STUDY

Application forms for admission to graduate study should be requested from the Chairman of the Department concerned. Beginning graduate students are accepted for September and February of each year, and also in June for the M.B.A. program.

Students are admitted either to regular graduate status or to unclassified status. All applications for admission to graduate status are subject to the recommendation of the head of the department in which the applicant plans to do his major work and approval of the Graduate Council, except in the case of organized schools in which instance the applicant must be approved by the school involved.

Evidence of good moral character and of such personality traits as will make for a desirable adjustment to the College will be considered of comparable importance to the student's academic achievement. An interview with an official or an alumnus of the College may be required. Recommendations by officials at a candidate's undergraduate college will be required and these recommendations will be considered carefully when the candidate's application is reviewed.

Graduate Record Examination

Applicants for admission to regular graduate status may be required to take the Graduate Record Examination. Applicants will be notified by the department concerned, if the examination

is to be required. Information about this test may be obtained from the Educational Testing Service, Princeton, New Jersey.

Degree of Master of Arts

The admission requirements for the degree of Master of Arts are as follows:

- I. The applicant for admission to graduate study must have completed the requirements for a Bachelor's degree in an institution of approved standing. He must have achieved a quality point average of 1.5 or its equivalent, and must have the recommendation of the head of the department in which he intends to do his major work (the department head may also request specific exceptions to the 1.5 average in the admission requirement). All applications are subject to approval by the Graduate Council.
- II. Graduate work taken prior to admission to candidacy will be credited toward the M.A. degree only with the approval of the Graduate Council.

ADMISSION TO THE LAW SCHOOL

Application forms for admission should be requested from the Dean of the Marshall-Wythe School of Law. Applicants will be sent the usual forms which should then be completed and returned. Beginning students in law are accepted in September and, in exceptional cases and when the enrollment position permits, in February of each year.

Applicants must have at least a 1.4 quality point average or its equivalent in their over-all undergraduate work (A—3 points, B—2 points, C—1 point, D—0 points), and a satisfactory score in the Law School Admission Test.

All candidates for the Bachelor of Civil Law degree must have received a Bachelor's degree from an approved college or university. However, a student may begin his law study in his undergraduate senior year in the combined six-year program, but must receive a baccalaureate degree before he may become a candidate for the law degree.

Within the discretion of the faculty of the School, and when

the enrollment permits it, persons of exceptional promise who fail to meet the above requirements may be admitted as special students and may take subjects in Law approved by the Dean of the School.

Students of academic junior standing who have completed one-half of the work and who have earned one-half of the quality points required for a baccalaureate degree within a period not exceeding five semesters may take a limited amount of work for business law or elective credit (but not for law credit), with the consent of the Dean of the School.

Combined Six-Year Program

Undergraduate students who have completed three-fourths of the work required for a baccalaureate degree with an over-all quality point average of 1.5 may take courses in law for simultaneous credit toward fulfillment of both baccalaureate and law degree requirements. Application to engage in this accelerated program should be made to the Dean of the Law School. The Law School Admission Test should be taken early in the applicant's undergraduate junior year. Approval of the application assures admission to the Law School upon completion of the baccalaureate degree requirements provided that there is good achievement in the law courses taken in the senior undergraduate year. Upon completion of the baccalaureate degree requirements with such good achievement, and upon his own petition, the student's status is changed to that of candidate for the Bachelor of Civil Law degree with advanced standing.

Combined Six-Year Program in Conjunction with Other Approved Colleges

Undergraduate students of other approved colleges which give credit toward fulfillment of the requirements of the baccalaureate degree granted by such other institutions for the time in residence and work completed at William and Mary may also participate in the combined six-year program. Students who have completed three academic years of full-time study at another accredited college with the equivalent of the William and Mary 1.5 quality point average may be considered for admission as unclassified students to take courses in law for such undergraduate credit as the other college may allow. Application should be made to the

Dean of the Law School and the Law School Admission Test should be taken early in the applicant's undergraduate junior year. Upon earning the baccalaureate degree of the other college, with good achievement in the law courses taken at William and Mary, and upon his petition, the student's status is changed from that of unclassified student to that of candidate for the Bachelor of Civil Law degree with advanced standing.

Transfer from Other Law Schools

Students from law schools approved by the American Bar Association who have received a baccalaureate degree and who are in good standing may apply for admission to this school as transfer students. If admitted, credit will be given for work done at other approved law schools not to exceed sixty semester hours provided such work has been of a quality well above passing.

Law School Admission Test

All applicants are required to take the Law School Admission Test which is given four times a year at various centers in the United States. The score secured on this test affords evidence of the applicant's aptitude for law study and is useful for counseling him as to his work. The results of such a test must be considered along with the applicant's personality traits; for such characteristics as courage, determination, enthusiasm, self-discipline, and ability to work with others are as important as natural ability. Information about this test may be obtained from the Educational Testing Service, Princeton, New Jersey. Students pursuing the six-year combined program must take this test before taking law courses in their senior year.

Other Factors

As in the case of undergraduate admission, evidence of good moral character and the ability to make a desirable adjustment to the College will weigh heavily in the consideration of applications for the Law School. An interview with an officer of the College or an alumnus of the College may be required. Recommendations by officials at a candidate's previous college will be secured by the Dean of the Law School, and these recommendations will be considered carefully when the candidate's application is reviewed.

REQUIREMENTS FOR DEGREES

THE DEGREES conferred in course are Bachelor of Arts (A.B.), Bachelor of Science (B.S.), Bachelor of Civil Law (B.C.L.), Master of Arts (M.A.), Master of Science (M.S.), Master of Education (M.Ed.), Master of Arts in Teaching (M.A.T.), Master of Law and Taxation (L.&T.M.), Doctor of Philosophy (Ph.D.), and Doctor of Education (Ed.D.).

The requirements for degrees are stated in terms of "semester credits" which are based upon the satisfactory completion of courses of instruction. One semester credit is given for each class hour a week through a semester. Not less than two hours of laboratory work a week through a semester will be required for a semester credit. A semester is a term of approximately eighteen weeks or one-half of the college session.

Courses of the 100 series are primarily for freshmen, 200 for sophomores, 300 and 400 for juniors and seniors. Courses for the 500 series are intended for graduate students only. Odd numbered courses are ordinarily offered in the first semester but may be offered in the second semester also; even numbered courses are ordinarily offered in the second semester but may also be offered in the first semester.

A continuous course covers a field of closely related material and may not be entered at the beginning of the second semester without approval of the instructor.

(*) Starred courses may be taken only with the consent of the instructor.

(†) Daggered courses may be taken only with the consent of the Chairman of the department concerned.

No credit will be counted toward a degree for the first semester of an elementary foreign language unless followed by the successful completion of the second semester of that language.

EVALUATION OF CREDITS FROM OTHER INSTITUTIONS

The credits of students transferring from other institutions will be evaluated only tentatively upon matriculation. The final

evaluation of credits earned at any time elsewhere than at this institution will be determined by the quality of work completed at this college. Evaluations of records are not made by the Committee on Degrees until after students have been selected for admission. In general, credits from accredited institutions are accepted provided they carry a grade of "C" or better and are comparable to courses offered at the College. No student may assume that credit will be given for work at other institutions until he has a written statement as to what credit will be expected. In particular, any student of the College in Williamsburg who proposes to attend a summer session elsewhere must have written permission in advance from the Chairman of the Committee on Degrees in order to insure that the credit may be transferred to the College in Williamsburg. Credits carrying a grade of "D" will not be accepted for transfer to the College of William and Mary. In determining the number of quality points on credits accepted from other institutions which may be counted toward the minimum of one hundred twenty required for graduation, credits of grade "C" or higher will be considered as having a value of "C." Credit for extension courses in the field of concentration or for the requirements for the baccalaureate degree shall be limited to one-fourth of the total credit hours required. Normally, no more than sixty-two academic credits will be transferred from colleges accredited to offer only two years of academic work on the college level. It is the policy of the College not to grant credit for attendance in service schools or training programs in the Armed Forces unless it can be demonstrated that such attendance is the equivalent of a course or courses offered at William and Mary. Academic credit for courses taken while on military service at accredited colleges, universities or language institutes may be transferred in the normal manner. No credit will be granted for general military training or for the college level General Educational Development Tests.

SYSTEM OF GRADING AND QUALITY POINTS

The work of each student in each course in an academic subject is graded A, B, C, D, or F. These grades have the following meanings: A, superior; B, good; C, average; D, passing; F, failing.

For each semester credit in a course in which a student is graded A he receives 3 quality points; B, 2; C, 1. F carries no credit and no quality points. D carries credit but no quality points. The work in required physical education is graded S (satisfactory) or F (failed).

In addition to the grades A, B, C, D, and F, the symbols "G," "I," "X," "WP," and "WF" are used on grade reports and in the College records. "G" indicates that the instructor has deferred reporting the student's grade. "I" indicates that the student has postponed, with the consent of the instructor, the completion of certain required work other than the final examination. "X" indicates absence from the final examination. "I" automatically becomes F at the end of the next semester if the postponed work has not been completed. "X" automatically becomes F at the end of the next semester unless a deferred examination is permitted by the Committee on Academic Status. "WP" (withdrew, passing) and "WF" (withdrew, failing) indicates the standing of a student who withdrew from the College between midsemester and the end of the semester.

REQUIREMENTS FOR THE DEGREES OF A.B. AND B.S.

The requirements for the degrees of Bachelor of Arts and Bachelor of Science are stated in the succeeding paragraphs under the following headings: I, General Requirements for the Degrees of A.B. and B.S., II, Distribution, Concentration, and Electives. III, Fields of Concentration. IV, Honors Program.

I. GENERAL REQUIREMENTS FOR THE DEGREES OF A.B. AND B.S.

One hundred and twenty-four semester credits are required for graduation. Of these one hundred and twenty-four semester credits, one hundred and twenty must be in academic subjects and four in required physical education. A minimum of 120 quality points in academic subjects is required.¹

The student must make a minimum quality point average of

¹"Academic subjects" means subjects other than required physical education.

1.0 for all courses in the field of concentration for which he receives an official grade.

No degree will be granted by the College until the applicant has been in residence at least one college year and made a minimum of thirty semester credits at the College in Williamsburg. This period must include the last year of the work required for the completion of the degree.

A student must fulfill the general degree requirements set forth in the catalog at the date of entrance to the College, and he must fulfill the concentration requirements in effect when the choice of concentration is declared. A student who fails to graduate within six calendar years of the date of entrance to the College relinquishes the right to graduate under the requirements set forth in the catalog at the time of entrance, and must fulfill the requirements in effect during the final session of his attendance at the College.

A student must complete the requirements for a degree within five years of residence in College, provided, however, that when a student has been permitted to reduce his schedule below that normally required, the total period of residence permitted for the completion of the degree requirements shall be extended in proportion to the reduction permitted. In the application of this requirement, attendance in Summer Session will be included. Such attendance will be counted on the basis of the ratio of the Summer Session course load to the normal program of the regular session. Students transferring from other institutions should expect to spend at least two years in residence at the College.

II. DISTRIBUTION, CONCENTRATION, AND ELECTIVES

The credits required for graduation are to be secured in accordance with the following arrangement:

A. Distribution

The Distribution Requirements are designed to insure that a certain amount of every student's course work will be distributed among each of six different general areas of knowledge. The range of courses which Bachelor of Arts and Bachelor of Science

students may take to satisfy the Distribution Requirements is listed below.²

BASIC REQUIREMENTS FOR THE BACHELOR OF ARTS AND
BACHELOR OF SCIENCE DEGREE

1. English Language and Composition
 (Eng. 101, 102 or 101H, 102H) 6 semester credits
 English 201, 202, or Fine Arts 201, 202,
 or humanities 201, 202 6 semester credits
2. Ancient or Modern Foreign
 Language 6 to 14 semester credits
 - (a) A student who enters College with *less than two* high school units of a foreign language must acquire *fourteen semester credits in a single foreign language*, ancient or modern. Introductory courses in Greek and Latin meet four hours per week. Introductory courses in French, German, Italian, Russian and Spanish meet five hours per week (4 credits each semester).
 - (b) A student who enters with *two* high school units of a foreign language must acquire *twelve semester credits in that same language* beyond the introductory level or *fourteen semester credits in a single new language*.
 - (c) A student who, upon entrance, can demonstrate on a placement test the equivalent of a *three-year* high school knowledge of a foreign language must acquire *nine semester credits in that same language* or *fourteen semester credits in a single new language*.
 - (d) A student who, upon entrance, can demonstrate on a placement test the equivalent of a *four-year* high school

²An entering freshman may receive a limited amount of credit or advanced placement in certain fields through satisfactory achievement on the Advanced Placement Tests of the College Entrance Examination Board or, in some instances, on other evidence of superior preparation in secondary school. These fields are Biology, Chemistry, English Composition, English Literature, American History, European History, Latin, Mathematics, French, German, Spanish, and Physics. Further information can be obtained from the Dean of Admissions.

knowledge of a foreign language must acquire *six semester credits in that same language or fourteen semester credits in a single new language.*

No credits will be counted toward the degree for the first semester of an introductory foreign language unless followed by the successful completion of the second semester of that language.

3. Mathematics or Philosophy 201, 202 6 semester credits
4. Biology, Chemistry, Geology or Physics 10 semester credits
5. Physical Education 101, 102, 201, 202 4 semester credits
6. Economics 201, 202;¹ Government 201,
202,² History 101, 102; or Sociology
201, 202.³ (Any two of these courses) 12 semester credits

In addition to satisfying the Distribution Requirement in Science, a candidate for the B.S. degree *must take a continuous course in a second and different science* selected from this group in accordance with the requirements of the Department in which the student is concentrating. In selecting the foreign language to satisfy the distribution requirement and in exercising the option between Mathematics and Philosophy, a student should consider carefully the recommendations and requirements in his anticipated field of concentration.

All students who have completed less than 45 semester credits in academic subjects (except part-time students and students enrolled in pre-professional programs approved by the College) must carry in each semester at least three of the courses (not including Physical Education) which meet these distribution requirements. Unavoidable exceptions to this regulation must be approved by the Committee on Academic Status.

¹Freshmen may elect Economics 201, 202.

²Freshmen may elect Government 201, 202 if they have completed a *year course in Modern European History* at either the secondary or college level.

³Freshmen may elect Sociology 201, 202 if they have completed *two units of secondary school preparation in social science courses*, including a minimum of one unit in World History and/or European History, or satisfactory achievement on the Advanced Placement Tests, or with the approval of the head of the department.

English 101, 102 and Physical Education 101, 102 must be taken in the freshman year. Physical Education 201, 202 must be taken in the sophomore year.

B. Concentration

Before the end of the sophomore year each student shall select a major department in which he shall concentrate during his junior and senior years. The following rules shall govern concentration:

- (a) The whole program of concentration shall represent a coherent and progressive sequence.
- (b) The student in consultation with the head of his major department shall select the courses for concentration. Of these, at least thirty semester credits must be with the major department.
- (c) Each department may require as many as twelve additional semester credits in courses from that department or from other departments.

When a student concentrates in a field in which he has received credit for a distribution requirement, such credit shall be counted in the total field of concentration.

No student shall be permitted to apply toward a degree more than forty-two semester credits in a subject field. The subject fields include: Biology, Business Administration, Chemistry, Economics, Education, English, Fine Arts, French, Geology, German, Government, Greek, History, Latin, Law, Mathematics, Music, Philosophy, Physical Education for Men, Physics, Psychology, Sociology and Anthropology, Spanish, and Theater and Speech.

No student shall be permitted to apply toward a degree more than twenty-one semester credits in technical courses in any one subject field nor in any one department.

Students may apply twenty-seven semester credits in Elementary Education and twenty-four semester credits in Secondary Education respectively toward the A.B. degree.

C. Electives

Of the number of semester credits remaining for the comple-

tion of these degree requirements, at least nine semester credits must be chosen from departments other than those in which courses for concentration were selected.

III. FIELDS OF CONCENTRATION

Degree of Bachelor of Arts

The following departments are approved for concentration: Ancient Languages, Business Administration, Economics, Education, English Language and Literature, Fine Arts, Geology, Government, History, Law, Mathematics, Modern Languages,¹ Music, Philosophy, Physical Education for Men, Psychology, Sociology and Anthropology, and Theater and Speech.

NOTE: Students planning to concentrate in Modern Languages are required to take six semester credits of Latin or Greek.

Degree of Bachelor of Science

The following departments are approved for concentration: Biology, Chemistry, Geology, Mathematics, Physical Education for Men, Physics and Psychology.

Education (fifteen semester credits for teaching in the secondary school and eighteen semester credits for teaching in the elementary school) should be taken by students planning to teach.

NOTE: The twelve or fourteen semester credits of foreign language required for distribution must be taken in French or German or both by students planning to concentrate in Chemistry, with the exception of those who are preparing for medicine. Further, a reading knowledge of scientific German will be required of those students who wish to meet the minimum standards for professional training in Chemistry (see page 139).

Degree of Bachelor of Civil Law

For the requirements of this degree, see pages 96, 217.

¹The Department of Modern Languages offers concentration in French, German, and Spanish.

IV. DEPARTMENTAL HONORS PROGRAM¹

The Departmental Honors Program provides special opportunities for the intellectual stimulation and development of superior students in certain departments through independent study. Departments participating in the program during the 1966-67 academic session are Ancient Languages, Economics, English, Government, History, Modern Languages, Philosophy, Physics, Psychology, and Sociology and Anthropology.² Students in this program may, as the result of distinguished work, be awarded a degree with "Honors," "High Honors," or "Highest Honors."

I. Eligibility, Admission and Continuance in the Program

- A. A student with a cumulative quality point average of 2.0 in academic subjects during the freshman and sophomore years may declare his intention to take honors work at the time of registration for the junior year and will be assigned an adviser by the head of the department in question.
- B. At the beginning of his senior year, a student may be admitted to honors work in a department if he has a quality point average of 2.0 for the academic year immediately preceding and if he has satisfied his adviser and the other members of the department in which he wishes to work that he is an acceptable candidate, and if the department in question has sufficient available staff to provide for his instruction.
- C. The continuance of a student in the Honors Program is contingent on his maintaining what his major department judges to be a sufficiently high standard of work.

II. Requirements

- A. The minimum general requirements for a degree with honors are the following:

¹See pages 93 and 211 for information on the general honors program for freshmen and sophomores.

²See the descriptions under these departments for specific requirements.

1. Satisfactory completion of a course of reading and research supervised by a faculty member designated by the head of the student's major department. Six hours of credit in a course designed 495-496 in each department offering Honors shall be awarded each student satisfactorily completing the program.
2. Satisfactory completion of the degree requirements as specified on pp. 98-105.
3. Presentation of an Honors Essay or completion of an Honors Project acceptable to the major department. This requirement must be met by May 1 of the student's senior year.
4. Satisfactory performance in a comprehensive examination in the field of the student's major interest.

III. Examining Committee

- A. Each comprehensive examination shall be set and judged and each Honors Essay or Project shall be judged by an examining committee of not less than three members, including at least one member of the faculty of the candidate's major department and at least one faculty member from another department.
- B. Examining committees shall be appointed by the Dean of the Faculty.

IV. Standards

- A. Final determination of a student's standing with respect to honors shall rest with his examining committee. The committee shall take into account (1) the recommendation of the major department, (2) the recommendation of the major adviser, and principally (3) its own judgment of the comprehensive examination and essay or project.
- B. A minimum grade of "B" on both the comprehensive examination and the essay or project is required for "Honors." The award of "Honors," "High Honors," or "Highest Honors" shall be determined by the student's examining committee.

- C. When a student's work does not, in the opinion of the Committee, meet the minimum requirements for honors, the faculty members supervising the student's Honors work will determine what grade and credit, if any, should be granted.

V. GRADUATE STUDY

The special requirements for the degrees of *Master of Arts* in Biology, Chemistry, Education, Government, History, Marine Science, Mathematics, Physics, Psychology, and Sociology, *Master of Science* in Mathematics, and Physics, *Master of Education*, *Master of Arts in Teaching*, *Master of Law and Taxation*, *Doctor of Philosophy* in History, Marine Science, and Physics, and *Doctor of Education* are described under the appropriate departmental headings.

Degree of Master of Arts

The general requirements for the degree of Master of Arts are as follows:

- I. The head of the department in which the student concentrates will plan and approve the student's program.
- II. A minimum residence period of one regular session or of four summer sessions of ten weeks each is required.
- III. Candidates must demonstrate a reading knowledge of one foreign language.
- IV. At least twenty-four semester credits of advanced work, of which at least one-half have been earned in courses numbered above 500, with a quality point average of 2.0 are required for the M.A. degree. No credit will be given for any grade below C.
- V. The student becomes a candidate for the Master's Degree upon recommendation of the department and approval of the Graduate Council after completion of a minimum of one semester of graduate work.
- VI. The student must present a thesis approved by the head of the department of concentration and by the student's ex-

amination committee. He must register for 560, Thesis, Hours to be Arranged, for at least one semester and may repeat this registration. This registration does not alter in any way the 24 credits in course work required for the M.A. degree. The thesis must be submitted in final form for acceptance or rejection two weeks before the student expects to receive the degree. The degree will not be granted until three bound copies have been presented by the student to the Dean of Graduate Study.

- VII. An examination covering the entire field of study is required. This examination is conducted by the student's examination committee.
- VIII. All requirements for the degree must be completed within a maximum period of six calendar years after commencing graduate study as a candidate for the degree.

NOTE: The student's major professor with two or more members of the faculty, appointed by the Dean of Graduate Study in consultation with the head of the department in which the student concentrates, will act as his examination committee.

Degree of Master of Science

With the exception of a thesis, the general requirements for the degree of Master of Science are the same as for the Master of Arts. In place of the thesis, a candidate must successfully complete eight additional semester hours of course work.



DEPARTMENTS OF INSTRUCTION

Ancient Languages

PROFESSOR RYAN (*Head of the Department*). ASSOCIATE PROFESSOR JONES. ASSISTANT PROFESSOR LEADBEATER. INSTRUCTOR MACGREGOR.

REQUIREMENTS FOR CONCENTRATION

A candidate for the A.B. degree with concentration in Ancient Languages will be expected to take at least 30 credits in Greek and Latin courses, with the majority of these credits in one of the two languages. If the major emphasis is on Greek, at least 6 credits of Latin should be taken; if the major emphasis is on Latin, at least 18 credits beyond the level of Latin 104 should be taken and at least 6 credits of Greek. Whether the emphasis is on Greek or Latin, six hours credit should be taken in Greek 311–Latin 312 (Ancient History) for concentration. The study of a modern foreign language is advised. Prospective teachers of Latin should take Latin 405 (Educ. 403), should complete the requirements in Education for certification, and should prepare themselves in a second teaching field, preferably English or modern language.

DESCRIPTION OF COURSES

101, 102. Elementary Greek. Continuous course; lectures four hours; four credits each semester. MR. MACGREGOR.

The elements of the Greek language with translation of stories and poems from selected readers. Parallel study of aspects of Greek civilization and of the legacy left by Greek culture and thought to the modern world.

201. Representative Prose Writers. First semester; lectures three hours; three credits. Prerequisites: Greek 101, 102 or equivalent. MR. LEADBEATER.

The reading of selected passages from such writers as Herodotus, Xenophon, Lysias and Plato, together with continued study of forms, syntax, and composition. A review of the history of

Greek Literature through reading in translation. The latter part of this course is spent in preparing the student for the reading of Homer.

202. Homer. Second semester; lectures three hours; three credits. Prerequisite: Greek 201 or equivalent. MR. LEADBEATER.

The reading of selected books of the *Iliad* or the *Odyssey*. A study of Homeric civilization, of the literary qualities of the poems, and of their influence upon subsequent literature.

***Greek Literature Cycle.** Each course one semester; lectures three hours; three credits. MR. RYAN.

The following courses are offered as the needs and wishes of students in the Department in any year may demand. For all of these courses, the completion of Greek 201, 202 or the equivalent is prerequisite. In each course there is a parallel study of some phase of Greek life or thought. Those in the 400 group when supplemented by additional parallel reading may be counted toward the M.A. degree.

401. Philosophy—Plato.

402. New Testament—The Gospels, Acts and Epistles.

403. Historians—Herodotus, Thucydides.

404. Lyric Poetry.

405, 406. The Drama—Aeschylus, Sophocles, Euripides, Aristophanes.

LATIN

101, 102. Elementary Latin. Continuous course; lectures four hours; four credits each semester. Students who have acquired two high school units in Latin may not take Latin 101, 102 for credit. MR. MACGREGOR.

This course is designed to equip the student with a mastery of the structure of the Latin language, together with an extensive building of vocabulary. There are translations from appropriate texts, including Caesar's *De Bello Gallico*, and parallel study of pertinent aspects of Roman life and history.

103, 104. Grammar Review, Reading of Prose and Poetry.

Continuous course; lectures three hours; three credits each semester. Prerequisite: at least two units of high school Latin or Latin 101, 102, MR. LEADBEATER.

A course for students who have had two years of high school Latin or the equivalent, and for more advanced students who wish to refresh their knowledge with a view of applying it to other subjects. In the first semester (103) there is a review of the elements of the language and the reading of passages from selected authors with emphasis upon Cicero. Parallel study of the history and institutions of Republican Rome. In the second semester (104) there is reading of selected books of Vergil's *Aeneid*. Parallel study of the history and institutions of the Empire; the epic and its influence upon subsequent literature.

201, 202. Literature of the Republic and the Empire.

Continuous course; lecture three hours; three credits each semester. Prerequisite: three or four units of high school Latin or Latin 103, 104. MR. JONES.

The reading of selections representative of the works of the important writers in the periods of the Republic and Empire. The first semester (201) emphasizes Roman comedy and prose; the second semester (202), lyric poetry. Parallel study of literary influences on the literature of subsequent ages.

***Latin Literature Cycle.** Each course one semester; lectures three hours; three credits. MR. JONES.

The following courses are offered as the needs and wishes of students in the Department in any year may demand. For all these courses, the completion of Latin 201 and 202 or the equivalent is prerequisite. In each course there is a parallel study of some phase of Roman life or thought. Those in the 400 group may be counted toward the M.A. degree when supplemented by additional parallel reading.

301. Cicero's and Pliny's *Letters*.

302. Catullus and the Elegiac Poets.

303. Cicero's *Orations*.

304. Horace's *Odes* and Martial's *Epigrams*.

305. Roman Comedy, Plautus and Terence.

307. Roman Private Life. Designed specifically for prospective teachers. An intensive investigation of all the major phases of everyday life of the Romans as a preparation for teaching the cultural material of first year high school Latin.

308. Critical Studies in Caesar. Designed for prospective teachers of second year high school Latin. The content, style, and aims of the *De Bello Gallico*. Study of Caesar's life and of his time. An examination of Roman methods of warfare.

401. Horace's *Satires* and *Epistles*, with emphasis on *Ars Poetica*.

402. The Latin Historians.

403. Cicero's Philosophical Works.

404. The Latin Epic—Vergil, or Lucretius.

***405. The Teaching of High School Latin.** Either Semester; lectures three hours; three credits. (See Education S305.)

A detailed study of the Latin curriculum appropriate for high school instruction; including the philosophy of curriculum construction, organization through "Themes" and "Topics," the correlation of a mastery of the elements of language with an understanding of Roman culture and its legacy to the modern world, the selection of reading and supplementary materials, the use of audio-visual methods, and correlation with other fields of study. Lectures and workshop.

Greek-Latin 451. Proseminar. Introduction to the tools of classical scholarships. Study of the history of classical philology, its methods and aims, and an intensive study of classical bibliography. STAFF.

†500. Special Topics. Any semester; three credits for each course. STAFF.

Courses of distinctly graduate character. Open from time to time to such candidates for the M.A. degree as are prepared to carry on individual study and research.

A. Seminar in Greek Literature. Intensive study of individual Greek Authors or genres, varying from year to year in accordance with the students' needs;

B. Seminar in Latin Literature. Intensive study of individual Latin authors or genres, varying from year to year in accordance with the students' needs;

C. Satire and the Novel;

D. Palaeography;

E. Problems of Textural Criticism.

CLASSICAL CIVILIZATION

The following courses are offered as being of general cultural value and valuable contributions to the Humanities program of the College. *A knowledge of Latin and Greek is not required.* Some of these courses may be counted to the extent of six semester credits on a concentration in Latin or Greek, but will not absolve the language requirements for a degree. They are open to *sophomores*, *juniors*, and *seniors* and, when supplemented by parallel study, may be counted to the extent of three semester credits toward the M.A. degree.

Greek 303. Greek Civilization and Its Heritage. Both semesters; lectures three hours; three credits. MR. RYAN.

An evaluation of the Greek heritage in the modern world, primarily for students who have had neither Greek nor Latin. The mythology and history, the social and economic problems and the literature and art of Greece are discussed and interpreted with emphasis upon their influence, direct and indirect, on modern civilization and upon their value not only for the better understanding of modern social and economic problems, but also for the fuller appreciation of English literature.

Greek-Latin 306. Greco-Roman Archaeology and Art. Lectures three hours; three credits. STAFF.

The study—by means of illustrated lectures, readings, and reports—of the nature of archaeological research; of the tangible remains of Greek and Roman civilization and art; of the aesthetic principles underlying their production; and of the influence of Greek and Roman art upon the art of subsequent periods.

Greek-Latin 307. Our Heritage of Greek and Roman Literature. Lectures three hours; three credits. MR. LEADBEATER.

A survey of chosen masterpieces from the Greek and Roman literatures as a revelation of the thought and culture of Greece and Rome, and of the heritage left by them to the modern world. Lectures and readings in translation. Designed as the first half of a course in foreign literature in translation.

Greek 311, Latin 312. The Ancient World. Continuous course; lectures three hours; three credits each semester. MR. RYAN.

Ancient Civilization from prehistoric times to the downfall of the Roman Empire. The first semester deals with the ancient Orient and Greece, up to 338 B.C.; the second semester deals with Alexander, the Hellenistic World, and Rome. This course is the same as History 301, 302.

Greek-Latin 401. Greek and Latin Epic. Careful reading, in English, of Homer's *Iliad* and *Odyssey*, Vergil's *Aeneid*, Lucan's *Pharsalia*. Discussion of the character and structure of the classical epic and its influence on European epic and novel. MR. LEADBEATER.

Greek-Latin 402. Greek and Latin Lyric Poetry. Devoted to the study, in translation, of the major classical lyric poets who have influenced the development of this genre in subsequent literary history. Parallel readings in the theories of lyric poetry and of selected poems showing the influence of classical lyric forms. MR. LEADBEATER.

Greek-Latin 403. Classical Tragedy and Its Influences. Readings, in English, and discussion of the major works of Aeschylus, Sophocles, Euripides, and Seneca. Parallel readings in

the theories of tragedy and of representative works, illustrating the influence of Classical Tragedy on subsequent literary history. MR. LEADBEATER.

Greek-Latin 404. Ancient Comedy and Its Influences. A study, in translation, of representative works of Aristophanes, Menander, Plautus, and Terence. Parallel readings in the theories of comedy and of representative works illustrating the influence of Ancient Comedy on subsequent literary history. MR. LEADBEATER.

Greek-Latin 405. Later Greek Philosophy. Second semester; lectures three hours; three credits. MR. LEADBEATER.

A study of the later aspects of Greek philosophy as they took form in Neo-Platonism and the Second Sophistic Movement. The course is intended to be an examination of Platonism as it developed in the philosophies of Plotinus, Iamblichus, Julian, and others. Emphasis will be placed on the mysticism of the age and the reaction of and influence on Christian thought as revealed in selected readings from the Church Fathers.

HONOR STUDY

495, 496. Honors. Continuous course; hours to be arranged; three credits each semester. MR. LEADBEATER.

Students admitted to Honors Study in Ancient Languages will be enrolled in this course during both semesters of their senior year. The course comprises (a) reading and discussion of selected authors in the language of the student's emphasis, Greek or Latin, (b) supervised reading of a special bibliography in the field of the student's major interests, (c) satisfactory completion by May 1, of a scholarly essay, (d) a satisfactory completion of a comprehensive oral examination in the field of Greek and Latin Literature.

Biology

PROFESSORS BYRD (*Head of the Department*), BALDWIN, and BLACK. ASSOCIATE PROFESSORS MORRILL, PEDIGO, and Terman. ASSISTANT PROFESSORS BROOKS, CALLARD, HALL, MANGUM, SPEESE, and VERMEULEN. LECTURER GATTEN.

REQUIREMENTS FOR CONCENTRATION

A minimum of 40 credits is required for concentration in Biology; Biology 101, 102 (10 credits), Biology 401 (4 credits), Biology 405 or 408 (4 credits), and Biology 420 (1-2 credits) must be included. Chemistry 201, 202 is required for concentration in Biology. A maximum of 10 credits (which may include Chemistry 201, 202 may be approved in other departments for courses above the 100-level to be completed with a minimum grade of "C"). It is recommended that all biology concentrators complete Physics 101, 102.

DESCRIPTION OF COURSES

101, 102. Introductory Biology. Continuous course; lectures three hours, laboratory three hours, discussion one hour; five credits each semester. MR. HALL and STAFF first semester; MR. BROOKS and STAFF second semester.

Concepts of modern biology based on molecular and cellular structure; a brief survey of the plant and animal kingdoms relating morphology to physiology; discussions on ecology, organic evolution, and the relation between biological problems and human society.

201. Comparative Anatomy of Vertebrates. First semester; lectures three hours, laboratory six hours, four credits. Prerequisite: Bio. 102. MR. BYRD.

Phylogenetic study of the development of the different systems of the higher vertebrates. Dissections and demonstrations by the student.

202. Embryology of Vertebrates. Second semester; lectures three hours, laboratory six hours; four credits. Prerequisite: Biology 201 or consent of instructor. MR. BYRD.

Comparative description and analysis of development in representative vertebrate embryos. Lectures and laboratory on spermatogenesis, oogenesis, and normal development of amphibians, birds, and mammals; lectures and laboratory designed to illustrate the general principles governing growth and development.

206. Plant Taxonomy. Second semester; lectures two hours, laboratory six hours; four credits. Prerequisite: Biol. 101, 102. MR. BALDWIN.

Phyletic relationship of flowering plants and of ferns; principles of classification; collection and identification of representative native plants.

208. Morphology and Phylogeny of Plants. Second semester; lectures two hours, laboratory six hours; four credits. Prerequisite: Biol. 101, 102. MR. BALDWIN and MISS SPEESE.

The morphology of representative plants from the various groups is studied in the laboratory and in the field. Some experiments are performed.

216. Invertebrate Biology. First semester; lectures three hours, laboratory six hours; four credits. MISS MANGUM.

Ecology, taxonomy, morphology, physiology and behavior of invertebrate organisms. Phylogenetic relationships are emphasized.

301. Microbiology. First semester; lectures three hours, laboratory six hours; four credits. Prerequisites: Introductory biology. MR. VERMEULEN.

Homologies are stressed in the study of life using the elementary systems of selected bacteria and other microorganisms. With the ultimate goal of an understanding of current research, the areas covered include classical and modern techniques, biochemistry, sexual and asexual genetics.

307. Human Physiology. Second semester; lectures two hours; laboratory three hours; three credits. Suggested prerequisite: Biology 101-102. STAFF.

Detailed study of the manner in which different organ systems of the human body function.

308. Human Anatomy. First semester; lectures two hours, laboratory three hours; three credits. STAFF.

Gross and histological study of the human organism with particular emphasis on the neuro-muscular systems as related to physical and health education.

313. Cytology. Second semester; lectures three hours, laboratory three hours; four credits. Prerequisites: Biology 101, 102; Chemistry 301 recommended. MR. PEDIGO.

Lectures and laboratories deal principally with the morphology of the cell and the preparation of materials for cytological study. An introduction to submicroscopic anatomy, chemistry, and the physiology of the cell is given.

314. Biological Evolution. First semester; lectures three hours; three credits. Prerequisites: Biology 101, 102, one other biology course and consent of the instructor. Introductory chemistry and mathematics are recommended. MR. BROOKS.

Principles of biological evolution. Detailed discussion of natural selection, adaptation, population genetics, isolating mechanisms, and speciation.

401. Genetics. Either semester; lectures three hours, laboratory six hours; four credits. Prerequisites: Biol. 101, 102. MR. BALDWIN and MISS SPEESE, first semester; MR. PEDIGO, second semester.

Principles of heredity, variation, and evolution, hybridization experiments to demonstrate laws of heredity.

402. Cytogenetics. Second semester; lectures two hours, laboratory six hours; four credits. Prerequisite: Biol. 401. MR. BALDWIN and MISS SPEESE.

Components of cells as related to genetics. Preparation and study of chromosomes.

†**403. Problems in Biology.** All semesters; hours to be arranged; credit according to performance. Prerequisite: Permission of Department Chairman and supervising instructor. STAFF.

Supervised projects selected to suit the needs of the individual student.

404. Topics in Biology. Either semester; lecture and laboratory, hours and credits (2-4) to be arranged. Prerequisite: Biology 101-102. STAFF.

404A. Ornithology.

404B. Developmental Biology.

405. Cellular Physiology. First semester; lectures three hours, laboratory six hours; four credits. Prerequisites: Biol. 101, 102; Chem. 201, 202. MR. BLACK.

The relationships between submicroscopic anatomy and chemistry of the cells are explored. Experiments dealing with cell-chemistry, permeability, metabolism, and growth are performed.

406. Experimental Embryology. Second semester; lectures three hours, laboratory six hours; four credits. Prerequisites: Biol. 102, 202. MR. MORRILL.

Lectures and experiments dealing with the mechanisms of fertilization, cleavage, gastrulation, and organ-differentiation in both invertebrates and vertebrates are given.

407. General Ecology. First semester; lectures two hours, laboratory six hours; four credits. Prerequisites: Biology 101-102. STAFF.

Survey of major biotic communities; factors controlling the relation of organisms to their environment; structure, metabolism, and control of populations, communities, and ecosystems.

408. Mammalian Physiology. Second semester; lecture three

hours, laboratory four hours; four credits. Prerequisites: General Biology and Organic Chemistry. Recommended: General Physics. MR. CALLARD.

The function of the animal as a whole as indicated by the physiology and interrelationships of different and organ systems.

***409. Mammalian Biology.** First semester; lecture two hours, laboratory three hours; three credits. MR. BROOKS.

A course for physicists and engineers, emphasizing mammalian biology. An introduction to basic principles of cellular physiology and gross comparative anatomy. Experience is gained in gross dissection and microscopy for student familiarization with structural arrangement. (Not open to biology concentrators).

410. Animal Behavior. Second semester; lectures three hours; three credits. Prerequisites: Biology 101-102. Recommended: Psychology 201-202. MR. TERMAN.

Description of the known behavior patterns of selected invertebrate and vertebrate groups with emphasis on adaptive significance. The genetics, ontogeny and ecological significance of behavior patterns will be presented where known.

412. Biology of the Vascular Plants. Second semester; lectures three hours, laboratory six hours; four credits. MR. HALL.

An advanced study of the major families of vascular plants, emphasizing comparative morphology and evolutionary trends, ecological relationships, economic importance, the history and the theory of classification, and classical and experimental research methods.

414. Biochemistry. Second semester, alternate years; lecture three hours, laboratory six hours; four credits. Prerequisites: General Biology, Mathematics 103, Organic Chemistry or permission of instructor. MR. VERMEULEN.

A study of the molecular basis of life. The physical and chemical properties of selected biochemical pathways will be investigated.

415. General Endocrinology. First semester, alternate years; lecture two hours, laboratory three hours; three credits. Prerequisites: General Biology. Recommended: Comparative Anatomy. MR. CALLARD.

The role of hormones in the maintenance of homeostasis, control of metabolic processes, and reproduction as exemplified by mammals. This course is intended as an introductory course and is a prerequisite for Comparative Endocrinology.

420. Senior Seminar. Both semesters, one credit each semester.

Discussions by the faculty and advanced students of contemporary problems in biology. Seniors will be required to prepare and to present papers. Guest lecturers will present occasional seminars.

495-496. Honors. Both semesters; hours to be arranged; six credits. STAFF.

Honors is independent study for superior students in Biology. It consists of readings in the field of the student's interests with emphasis on the original literature, the preparation and presentation of an Honors Essay based on the student's own research, and satisfactory completion of a comprehensive examination in the subject area of the research. Enrollment would ordinarily be for both semesters of the senior year for three credits per semester.

MASTER OF ARTS DEGREE IN BIOLOGY

Requirements for the Degree of Master of Arts in Biology

The candidate for the degree of Master of Arts in Biology must meet the following requirements in addition to the general requirements on pages 108-109.

1. After consultation with the Biology Department, the student may be required to take undergraduate courses in which his preparation is considered inadequate.
2. The student must demonstrate a reading knowledge of

either French, German or Russian, in the subject matter of Biology.

3. Each graduate student shall have a major Professor and Graduate Committee who will be responsible for supervising his thesis and for planning his program.
4. Each candidate must complete an oral comprehensive examination covering his thesis, his major subjects, and matters of general nature pertaining to his field of study. This comprehensive examination shall be given only after the thesis has been submitted to and approved by the examining committee and only after the 24 semester credits have been completed, or in the semester in which these credits will be completed.
5. A minimum residence period of one calendar year is required.
6. In addition to Biology 560 (Thesis), the candidate must successfully complete 24 semester hours of courses, of which at least one-half are in courses numbered 500 or above, with a grade average of "B" or better. Upon the approval of his graduate committee, a student may take advanced courses in the Departments of Chemistry, Physics, Mathematics, Psychology and Marine Science. All courses below the 500 level taken for graduate credit must be completed with a grade of "B" or better.

GRADUATE COURSES

505. Topics in Cell Biology. First semester; lectures three hours, three credits.

506. Plant Physiology. Either semester; lecture two hours, laboratory six hours; four credits. Prerequisites: general physiology and organic chemistry or their equivalents. **STAFF.**

508. Zoogeography. Either semester; lecture three hours; three credits. **MR. TERMAN.**

509. Topics in Genetics. Lecture three hours; three credits.

Prerequisites: A course in microbiology, genetics and physiology or their equivalents. MR. PEDIGO.

Biology 510. Biosystematics. Second semester; lectures three hours; three credits. Prerequisite: Recommend course in Taxonomy and in Genetics or evolution. MR. HALL.

511. Ecology of Natural Populations. Either semester; lecture three hours; three credits. Prerequisites: A course in Ecology and a course in Psychology. MR. TERMAN.

512. Concepts of Synecology. Either semester; lecture three hours; three credits. Prerequisites: A course in Ecology and a course in Physiology. STAFF.

514. Topics in Evolution. First semester; lecture and discussion, two hours; two credits. MR. BROOKS.

516. Radiation Biology. First semester; lecture two hours, laboratory four hours; three credits. Prerequisites: General Chemistry, Physics, and Cytology or their equivalents. MR. PEDIGO.

517. Problems in Biology. Any semester; hours and credits to be arranged. STAFF.

518. Comparative Endocrinology. First semester; alternate years; lecture two hours, laboratory six hours; four credits. Prerequisites: General Endocrinology or permission of instructor. MR. CALLARD.

Biology 520. Comparative Animal Physiology. (Jointly with Marine Science 520.) Second semester; lectures three hours; three credits. Prerequisite: acceptable course in physiology. MISS MANGUM and MR. LANGLEY WOOD.

Biology 522. Comparative Animal Physiology Laboratory. (Jointly with Marine Science 522.) Second semester; laboratory four hours; two credits. Prerequisite or corequisite: Biology 520. MISS MANGUM and MR. LANGLEY WOOD.

560. Thesis. Hours to be arranged. STAFF.

Business Administration

PROFESSORS QUITMEYER (*Head of the Department*), COREY, KING, QUINN and SANCETTA. ASSOCIATE PROFESSOR REECE. ASSISTANT PROFESSORS DAFASHY and JONES (*Director, Bureau of Business Research*). INSTRUCTOR NEWMAN.

During their first two years the College of William and Mary requires virtually the same program of liberal arts studies for students who plan to concentrate in Business Administration as it does for all other students. The last two years of more specialized work emphasize the field of Business Administration in its major aspects of analysis and management.

The Department of Business Administration cooperates with the Marshall-Wythe School of Law in offering a four-year program in accounting leading to the A.B. degree in Business Administration and a seven-year program with preparation for both Bar and C.P.A. examinations and Master of Law and Taxation.

The Bureau of Business Research, organized in 1958 under the Department of Business Administration, publishes the *Virginia Business Index Report* reflecting current business and economic activity in the State. It similarly publishes the *Williamsburg Business Index Report*. Special research studies are published periodically.

REQUIREMENTS FOR CONCENTRATION

For concentration in Business Administration at least thirty credits are required in courses in Business Administration. Every student is required to take the concentration core program of courses outlined below. Also, every student is required to choose one of the two special concentration programs, which are accounting and management.

CORE CONCENTRATION PROGRAM

Credits

Principles of Accounting (Bus. 201, 202)	6
Fundamentals of Marketing (Bus. 311)	3
Principles and Methods of Statistics (Econ. 307) or Business Statistics (Bus. 331)	3
Financial Management (Bus. 323)	3
Principles of Psychology (Psych. 201) or Introduction to Social and Personality Development (Psych. 204)	3
Sociological Theory (Soc. 313), Industrial Sociology (Soc. 401) or Human Factors in Administration (Bus. 412).	3
Business Policy (Bus. 416)	3
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SPECIAL CONCENTRATION PROGRAMS

ACCOUNTING

Intermediate Accounting (Bus. 301, 302)	6
Cost Accounting (Bus. 303)	3
Advanced Accounting (Bus. 401)	3
Seminar in Accounting (Bus. 407)	3
Federal Taxation	3
(Additional credits are needed for C.P.A. purposes.)	
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MANAGEMENT

Principles of Management (Bus. 327)	3
Production Management (Bus. 330)	3
Industrial Psychology (Psych. 303) or Industrial Relations (Bus. 315)	3
Seminar in Contributions of Liberal Arts to Business (Bus. 428)	3
Quantitative Analysis for Business Decisions (Bus. 418)	3
Seminar in Business Research (Bus. 430)	3
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RECOMMENDED PROGRAM FOR THE FIRST TWO YEARS

Credits

FRESHMAN YEAR

Grammar, Composition, and Literature (Eng. 101, 102 or 103, 104) ..	6
Foreign Language	6-8
Mathematics, 6 hours ¹	6
Biology, Chemistry, Geology, or Physics	10
Required Physical Education (Phys. Ed. 101, 102)	2
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	30-32

SOPHOMORE YEAR

English Literature (Eng. 201, 202) Introduction to Fine Arts (F.A. 201, 202) or Literature (Hum. 201, 202)	6
Foreign Language	6
Principles of Economics (Econ. 201, 202) ¹	6
History of Europe (Hist. 101, 102) or Introduction to Government and Politics (Govt. 201, 202) or General Sociology (Soc. 201, 202) ² ..	6
Principles of Accounting (Bus. 201, 202)	6
Required Physical Education (Phys. Ed. 201, 202)	2
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RECOMMENDED PROGRAM FOR THE SECOND TWO YEARS

A. ACCOUNTING PROGRAM

JUNIOR YEAR

Intermediate Accounting (Bus. 301, 302)	6
Cost Accounting (Bus. 303)	3
Fundamentals of Marketing (Bus. 311)	3
Principles and Methods of Statistics (Econ. 307) or Business Statistics (Bus. 331)	3
Principles of Psychology (Psych. 201) or Introduction to Social and Personality Development (Psych. 204)	3
Financial Management (Bus. 323)	3
Nine credits in electives ³	9
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	30

¹These credits are a prerequisite to later courses and also meet distribution requirements.

²Soc. 201, 202 is recommended.

³Public Speaking (Speech 101) is recommended as an elective course.

SENIOR YEAR

Credits

Sociological Theory (Soc. 313) or Human Relations in Administration (Bus. 412)	3
Advanced Accounting (Bus. 401)	3
Seminar in Accounting (Bus. 407)	3
Federal Taxation	3
Business Policy (Bus. 416)	3
15-17 credits in electives	15-17
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	30-32

B. MANAGEMENT PROGRAM

JUNIOR YEAR

Fundamentals of Marketing (Bus. 311)	3
Principles and Methods of Statistics (Econ. 307) or Business Statistics (Bus. 331)	3
Financial Management (Bus. 323)	3
Principles of Psychology (Psych. 201) or Introduction to Social and Personality Development (Psych. 204)	3
Principles of Management (Bus. 327)	3
Industrial Psychology (Psych. 303) or Industrial Relations (Bus. 315)	3
Production Management (Bus. 330)	3
Quantitative Analysis for Business Decisions (Bus. 418)	3
6 credits in electives ¹	6
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	30

SENIOR YEAR

Sociological Theory (Soc. 313) or Human Relations in Administration (Bus. 412)	3
Business Policy (Bus. 416)	3
Seminar in Contributions of Liberal Arts to Business (Bus. 428)	3
Seminar in Business Research (Bus. 430)	3
18-20 credits in electives ²	18-20
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	30-32

¹Public Speaking (Speech 101) is recommended as an elective course.

²The student should be sure that at least 30, but not over 42, credits with Business numbers are taken in order to meet the basic 124 credit graduation requirement.

DESCRIPTION OF COURSES

201, 202. Principles of Accounting. Continuous course; lectures three hours; three credits each semester. MR. QUINN and MR. REECE and STAFF.

A study of the elementary principles and procedures of individual proprietorship, partnership, and corporation accounting.

301, 302. Intermediate Accounting. Continuous course; lectures three hours; three credits each semester. Prerequisites: Bus. 201, 202. MR. QUINN.

An analysis of balance sheets and profit and loss statements, together with the theory of valuation underlying the various accounts used in these statements.

303. Cost Accounting. First semester; lectures three hours; three credits. Prerequisites: Bus. 201, 202. MR. REECE.

The fundamentals of job order, process, and standard cost accounting and cost and profit analyses for decision-making purposes. Use of problems is made.

304. Auditing. Second semester; lectures four hours; four credits. Prerequisites: Bus. 201, 202 and 301, or permission of the instructor. MR. REECE.

Auditing procedures through the application of auditing principles. Standards and ethics of the public accounting profession are emphasized as is the preparation of audit reports.

309. World Resources. Both semesters; lectures three hours; three credits. Prerequisite: Junior or Senior standing or permission of the instructor. MR. NEWMAN.

The forces of natural environment as they relate to world patterns of production and exchange with consideration of the roles played by selected commodities and other resources in world economic organization.

311. Fundamentals of Marketing. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202 or permission of the instructor. MR. KING.

A study of the role of marketing in business and the economy. Emphasis is on the examination of functions, institutions, and policies.

312. Marketing Problems. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202 or permission of the instructor. MR. KING.

An examination of marketing problems encountered at all levels of distribution. Cases are used to emphasize analysis and decision-making.

314. Sales Management. Second semester; lectures three hours; three credits. Prerequisite: Bus. 311. STAFF.

An examination of the management of the sales effort in the business organization. Emphasis is given to sales organization, policies, and control. The case method is used to develop appreciation of sales management functions.

315. Industrial Relations. First semester; lectures three hours; three credits. MR. KING.

A course to provide understanding of the principles, policies, and practices used to develop a sound industrial relations program in the business organization. Among the topics included are job analysis, the employment process, employee development and evaluation, wage and salary administration, labor relations, and union negotiation.

317. Risk and Insurance. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. COREY.

A survey of the nature and significance of risk in the modern economic structure and the role of insurance and other means by which it is borne. Probability, risk measurement and legal doctrines are studied in their relation to personal, property and casualty insurance. Although attention is given to the carriers and their operation and regulation, primary stress is given to the user.

320. Advertising. Second semester; lectures three hours; three

credits. Prerequisites: Econ. 201, 202 or permission of the instructor. MR. KING.

A study of the relationship of demand stimulation to business management. Liberal use of the case method will emphasize the management of advertising campaigns, expenditures, and the integration of advertising efforts as part of the total marketing concept.

323. Financial Management. Both semesters; lectures three hours; three credits. Prerequisites: Bus. 201, 202. MR. SANCETTA.

An introductory course covering current and long-term financing of the firm, capital budgeting, dividend policies, and business expansion.

327. Principles of Management. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202 or permission of the instructor. MR. NEWMAN.

An introduction to the principles of management and their application to business. Emphasis is given to the development of a philosophy of management in reference to planning, organizing, directing, and controlling.

329. Management of Small Business. First semester; lectures three hours; three credits. MR. KING.

A study of the special problems, analysis, and decision-making involved in the management of small business.

330. Production Management. Second semester; lectures three hours; three credits. MR. NEWMAN.

A course designed to familiarize the student with the production phase of business activity. Emphasis is on developing ability to use analytical methods of decision-making in the design and operation of production systems.

331. Business Statistics. Both semesters; lectures two hours, laboratory two hours; three credits. MR. DAFASHY.

A study of the basic tools of statistical analysis used by the business administrator.

401. Advanced Accounting. First semester; lectures three hours; three credits. Prerequisites: Bus. 201, 202, 301, 302 or permission of the instructor. MR. DAFASHY.

A study of accounting for partnerships, consignments, installments, receivers' accounts and the use of actuarial science.

402. Advanced Accounting. Second semester; lectures three hours; three credits. Prerequisites: Bus. 201, 202, 301, 302 and 401 or permission of the instructor. MR. DAFASHY.

A study of consolidated statements, foreign exchange, estate and fund accounting, together with an analysis of a number of problems given on recent C.P.A. examinations.

407. Seminar in Accounting. First semester; three credits. Prerequisites: Bus. 301, 302. MR. QUINN.

Selected topics based upon controversial issues in accounting theory and practice.

409. Accounting Systems and Data Processing. First semester; lectures three hours; three credits. Prerequisites: Bus. 301, 302. MR. DAFASHY.

The development, organization, design, analysis and improvement of manual and automated business information systems. Emphasis is given to preparation of systems charts, flow charts, and computer programs.

410. Survey of Accounting. Second semester; lectures three hours; three credits. STAFF.

A survey of the general field of accounting. Open to students of Junior or higher standing not concentrating in Business Administration and not having taken Bus. 201 or 202.

412. Human Factors in Administration. Both semesters; lectures three hours; three credits. Prerequisite: Junior or Senior standing. MR. QUITMEYER.

A course to assist in the development of an administrative philosophy in considering behavioral problems encountered in management.

416. Business Policy. Both semesters; lectures three hours; three credits. Prerequisite: Senior standing in the Business Administration concentration or permission of the instructor. MR. KING and MR. QUITMEYER.

A course which deals with the establishment of a company-wide objectives and the subordinate plans and controls to accomplish them. This course integrates and builds upon the business administration core to develop decision-making ability at the policy-making level of administration.

418. Quantitative Analysis for Business Decisions. Second semester; lectures three hours; three credits. Prerequisite: six hours of mathematics or permission of the instructor. MR. DAFASHY.

A course which integrates quantitative decision methods and the team approach to research problems of interest to management. Attention is given to probability theory, linear programming, and quantitative models used in the analysis of business problems.

428. Seminar in Contributions of Liberal Arts to Business. Both semesters; hours to be arranged; three credits. Prerequisite: Senior standing in the Business Administration concentration or permission of the instructor. MR. COREY.

A study of the conceptual foundations of business and their origin and development in the literature of the liberal arts and sciences.

430. Seminar in Business Research. Both semesters; hours to be arranged; three credits. Prerequisite: Senior standing in the Business Administration concentration or permission of the instructor. MR. QUITMEYER.

Independent research culminating in the preparation of a thesis on a topic of business interest.

MASTER OF BUSINESS ADMINISTRATION DEGREE

The Master of Business Administration degree is offered in the evening hours throughout the year to meet the needs of two groups:

- (1) Part-time students whose employment precludes full-time attendance.
- (2) Full-time students who normally would be recent graduates of the College of William and Mary and other approved institutions granting a bachelor's degree.

Part-time students may expect to complete requirements for the degree in a minimum of two and one-half calendar years. Full-time students would require approximately one calendar year.

Admission

Application forms for admission to graduate study should be requested from the office of the Head of the Department of Business Administration. Applications are accepted from qualified men and women for entrance in September, February and June. Although there are no specific closing dates for receipt of applications, prospective students are advised that delayed application may result in postponement of enrollment to a subsequent term. General admission requirements are listed on page 94 of the catalogue. The Admission Test for Graduate Study in Business is required of all applicants.

Please address correspondence concerning the M.B.A. degree to Head, Department of Business Administration, College of William and Mary, Williamsburg, Virginia 23135.

Undergraduate prerequisites or corequisites

The following undergraduate semester credits are required as prerequisites or, in some cases, corequisites to the graduate program: Principles of Accounting (6); Principles of Economics (6); and Principles of Statistics (3). These credits may have been earned at other approved institutions. An individual whose undergraduate background does not include these requirements

is urged to complete them in the College, Evening College, Extension Division, Christopher Newport College, or in another approved institution in advance of filing application for admission as a graduate student in the M.B.A. program.

Transfer of Graduate Credit

Six semester hours of graduate credit or the equivalent taken elsewhere may be transferred for graduate credit under this program, provided that equivalent graduate courses are listed in this program's curriculum.

Other Graduate Credit

Six semester hours of graduate credit may be taken from other William and Mary graduate courses, with suitability for a student's program to be determined and approved by the Head of the Department of Business Administration.

Requirements for the Degree

1. The Head of the Department of Business Administration will approve each student's program.

2. Thirty-six semester hours of approved graduate credit must be completed for the degree with a minimum quality point average of 2.0. Normally, four graduate course grades below B or one graduate course grade of F will call for dismissal. A student may withdraw from a course without prejudice before it is half over but must complete it after that point or receive an F for dropping it, unless the drop is involuntary.

3. Each student must complete the following core courses in the program at William and Mary unless in the opinion of the Head of the Department of Business Administration he should not take any or all of them because of previous substantial academic work in such courses at undergraduate or graduate levels:

Bus. 510—Managerial Accounting (3 credits)

Bus. 520—Managerial Economics (3 credits)

Bus. 530—Managerial Finance (3 credits)

Bus. 540—Managerial Marketing (3 credits)

Bus. 550—Administrative Practices (3 credits)

Bus. 570—Policy Formulation and Action (3 credits)

Exemption from taking any of these courses does not change the number of graduate credits needed for completion of the degree.

4. Each student must pass a comprehensive written examination which will usually be taken in his last semester or summer session of attendance.

5. Although a thesis will not be required, the course Bus. 560-561 entitled *Thesis in Graduate Business Administration* will count as six semester hours of graduate credit for those who successfully complete it.

6. All requirements for the degree must be completed within a maximum period of seven calendar years after commencing graduate study for the M.B.A. degree at William and Mary.

GRADUATE COURSES

510. Managerial Accounting. Lectures three hours; three credits. MR. REECE.

512. Cost Administration. Lectures three hours; three credits. MR. REECE.

514. Operations Research. Lectures three hours; three credits. MR. DAFASHY.

520. Managerial Economics. Lectures three hours; three credits. MR. SANCETTA.

522. Economic Dynamics. Lectures three hours; three credits. MR. SANCETTA.

524. Trade Regulation. Lectures three hours; three credits. MR. SANCETTA.

530. Managerial Finance. Lectures three hours; three credits. MR. SANCETTA.

540. Managerial Marketing. Lectures three hours; three credits. MR. KING.

541. Advertising Management. Lectures three hours; three credits. MR. KING.

542. Procurement Management. Lectures three hours; three credits. MR. JONES.

544. Risk Management. Lectures three hours; three credits. MR. JONES.

546. Transportation Management. Lectures three hours; three credits. STAFF.

548. Industrial Management. Lectures three hours; three credits. MR. JONES.

550. Administrative Practices. Lectures three hours; three credits. MR. QUITMEYER.

552. Legal Environment of Business. Lectures three hours; three credits. MR. FISCHER.

554. Personnel Management. Lectures three hours; three credits. MR. KING.

560, 561. Thesis in Graduate Business Administration. Hours to be arranged; six credits. MR. QUITMEYER and STAFF.

570. Policy Formulation and Action. Lectures three hours; three credits. MR. NEWMAN.

Chemistry

PROFESSORS GUY (*Head of the Department*) ARMSTRONG and TYREE. ASSOCIATE PROFESSORS HARRELL, HILL, MACQUEEN and ZUNG. ASSISTANT PROFESSOR KIEFER. INSTRUCTOR TARLETON. STOCK-KEEPER KATZ.

REQUIREMENTS FOR CONCENTRATION

The minimum number of semester credits required for concentration in chemistry (except for pre-medical students) is 37 and must include Chemistry (101, 102) or (111, 112); 201, 202; 301, 302; 303. German or French or both are to be taken in satisfaction of the foreign language distribution requirement. A reading knowledge of German is highly desirable. It is strongly urged that Chemistry 201, 202 be taken in the sophomore year.

SPECIAL CONCENTRATION PROGRAMS

I. PROFESSIONAL TRAINING

The Department is listed among those approved by the Committee on Professional Training of the American Chemical Society and those graduates who have met certain minimum standards established by this Committee may be certified to the Society for recognition by them as having received undergraduate professional training in chemistry. To meet these standards this concentration program must include Mathematics 201, 202; Physics 101, 102; and a reading knowledge of scientific German. The required courses in chemistry will be chosen in consultation with the Head of the Department.

II. PREPARATION FOR MEDICINE, DENTISTRY, AND PUBLIC HEALTH

The minimum number of semester credits for pre-medical students concentrating in chemistry is 30. This program must include Chemistry (101, 102) or (111, 112); 201, 202; 303. German or French or both are to be taken to satisfy the foreign language distribution requirement.

DESCRIPTION OF COURSES

101, 102. Elementary General Chemistry. Continuous course; lectures three hours, laboratory four hours; five credits each semester. MR. GUY, and MRS. TARLETON.

An introduction to the study of the common non-metallic and metallic elements with emphasis upon chemical laws and the development and application of chemical principles.

111, 112. Principles of Chemistry. Continuous course; lectures three hours, laboratory four hours; five credits each semester. MR. ZUNG.

Development of chemical principles, subatomic and kinetic molecular structure of matter, chemical bonding, introductory concepts of thermodynamics and chemical equilibrium. Experiments of a quantitative nature are stressed in the laboratory.

201, 202. Organic Chemistry. Continuous course; lectures three hours, laboratory five hours; four credits each semester. Prerequisites: Chem. 102 or 112. MR. HILL.

Chemistry of the various organic functions. Reactivity is correlated with electronic and three-dimensional aspects of compounds of carbon.

301. Physical Chemistry I. First semester; lectures three hours, laboratory four hours; four credits. Prerequisite or corequisite: Chem. 303; prerequisites: Physics 102 and Math 202. MR. MACQUEEN.

States of matter, thermodynamics, chemical equilibrium.

302. Physical Chemistry II. Second semester; lectures three hours, laboratory four hours; four credits. Prerequisite: Chem. 301. MR. MACQUEEN.

Electrochemistry, chemical kinetics, quantum chemistry, and photochemistry.

303. Quantitative Analysis I. First semester; lectures two

hours, laboratory six hours; four credits. Prerequisite: Chem. 102 or 112. MR. ARMSTRONG.

Volumetric and gravimetric analysis.

304. Quantitative Analysis II. Second semester; lectures two hours; laboratory six hours; four credits. Prerequisite: Chem. 303. MR. ARMSTRONG.

(Students registering for Chem. 302 are advised to elect Chemistry 404 rather than Chemistry 304.)

Colorimetric analysis with an introduction to absorption spectroscopy; standard methods of analysis; separation of mixtures; organic reagents for trace analysis of metals; introduction to electrometric methods of analysis.

305. Descriptive Inorganic Chemistry. First semester; lectures three hours; three credits. Prerequisite: Chem. 102 or 112. MR. TYREE.

Systematic study of the properties and reactions of chemical elements and their inorganic compounds.

401. Physical Chemistry III. First semester; lectures three hours; three credits. Prerequisite: Chem. 302. MR. MACQUEEN.

Kinetic theory of gases, chemical statistics, and related topics.

402. Theoretical Inorganic Chemistry. Second semester; lectures three hours; three credits. Prerequisite: Chem. 302. MR. TYREE.

Principles of physical chemistry and quantum mechanics applied to the study of the structures and reactions of inorganic substances.

404. Instrumental Methods of Analysis. Second semester; lectures two hours, laboratory six hours; four credits. Prerequisites: Chem. 302, 303. MR. ARMSTRONG.

Principles and applications of modern instruments in UV and IR spectroscopy, potentiometry, voltametry, vapor phase chromatography, and radiochemistry.

407. Qualitative Organic Analysis. First semester; lecture one hour, laboratory six hours; three credits. Prerequisites: Chem. 201, 202. MR. HARRELL.

A study of a systematic method of identification of organic compounds with application of the method to individually assigned samples.

408. Physical Organic Chemistry. Second semester; lectures three hours; three credits. Prerequisite: Chem. 202, 302 or equivalent. MR. HARRELL.

Application of physical theories to organic reactions. Electronic and steric effects of organic molecules are discussed as a means of predicting their chemical properties.

†409. Introduction to Chemical Research. Any semester; hours to be arranged; credits according to the work accomplished. STAFF.

A course for the advanced student affording an opportunity for individual work on an assigned problem

MASTER OF ARTS DEGREE IN CHEMISTRY

Admission and Requirements

In addition to meeting those requirements for admission to graduate study as outlined on p. 94 and for the degree of Master of Arts (pp. 108-109), a candidate for the degree of Master of Arts in Chemistry:

- a) shall make a selection of graduate courses under the guidance of a departmental advisor; undergraduate courses may have to be taken or repeated in those areas where adequate preparation appears to be lacking;
- b) must attend the Graduate Seminar during each semester in residence;
- c) must demonstrate a reading knowledge, in the field of chemistry, in French, German, or Russian at least one semester prior to qualifying for the degree;
- d) must acquire at least twelve semester credits (with a minimum of six credits in chemistry) in 500 level courses;
- e) must prepare a thesis based upon research carried out under the guidance of a staff member;

- f) must pass a comprehensive examination based upon the entire work done for graduate credit and after approval of the thesis by an examining committee.

GRADUATE COURSES

501. Quantum Chemistry. First semester; lectures three hours; three credits. Prerequisite: Chem. 401 or equivalent. MR. ZUNG.

502. Advanced Physical Chemistry. Second semester; lectures three hours; three credits. Prerequisite: Chem. 401 or equivalent. MR. MACQUEEN.

503. Nuclear Chemistry. First semester; lectures three hours; three credits. Prerequisite: Chem. 402 or equivalent. MR. KIEFER.

504. Radiation Chemistry. Second semester; lectures three hours; three credits. Prerequisite: Chem. 503 or equivalent. MR. KIEFFER.

505. Advanced Analytical Chemistry. First semester; lectures two hours; laboratory four hours; three credits. Prerequisite: Chem. 404 or equivalent. MR. ARMSTRONG.

506. Atomic and Molecular Spectra. Second semester; lectures three hours; three credits. Prerequisite: Chem. 501 or equivalent. MR. ZUNG.

507. Advanced Organic Chemistry. First semester; lectures three hours; three credits. Prerequisite: Chem. 202; corequisite: Chem. 407. MR. HILL.

508. Topics in Organic Chemistry. Second semester; lectures three hours; three credits. Prerequisites: Chem. 201, 202. MR. HARRELL.

510. Graduate Seminar. Both semesters; one credit each semester. (A maximum of two credits may be earned in seminar. May not be counted toward the minimum of six credits in 500 courses in chemistry.)

560. Thesis. Any semester; hours to be arranged. STAFF.

Economics

ASSOCIATE PROFESSOR SCHIFRIN (*Head of the Department*), PROFESSOR COREY. ASSOCIATE PROFESSORS ABDUL-MAGID, GITELMAN, and MATTHEWS. ASSISTANT PROFESSORS BARRY,¹ CHOI, and GARRETT.

REQUIREMENTS FOR CONCENTRATION

Concentration in Economics requires a minimum of thirty semester hours of courses in Economics beyond Economics 201, 202. All concentrators are required to take the following courses for a total of fifteen hours:

- 303 Intermediate Analysis: Microeconomics
- 304 Intermediate Analysis: Macroeconomics
- 307 Principles and Methods of Statistics
- 311 Money and Banking
- 494 Senior Seminar

Economics 303, 304 and 311 are to be taken in the Junior year. Economics 307 can be taken anytime after the Freshman year and before the second semester of the Senior year. The student who elects 495, 496 will normally not enroll in 494. Exceptions must be approved by the Department Chairman.

In addition, eighteen hours of electives are to be taken within the department in accordance with the following pattern: two courses in each of two fields, shown below, and one course in each of two other fields.² The Senior Seminar (Economics 494) will be in one of the first two fields as selected by the concentrator and subject to departmental approval. Concentrators are encouraged to develop a strong background in mathematics and to take electives in the other social sciences and history.

¹On leave of absence, 1967-68.

²Economics 311 may be counted as one of the field electives.

Fields of Study

Monetary Theory and Cyclical Analysis	311, 412, 413
Public Finance and Fiscal Policy	421, 422
Quantitative Analysis and Methods	333
Economic History and History of Economic Thought	441, 442, 446
Labor	451, 452
Industrial Organization and Public Policy	461, 462
International Economics	471, 472, 473
Comparative Economics Systems	482

DESCRIPTION OF COURSES

201, 202. Principles of Economics. Continuous course; lectures three hours; three credits each semester. This course is a prerequisite to all courses in Economics except 307. STAFF.

An introduction to the analytical tools commonly employed by economists in the study of the determination of the composition of output, prices, and the aggregate level of economic activity. Problems related to these subjects are considered, and alternative courses of public policy are evaluated.

303, 304. Intermediate Economic Analysis. Continuous course; lectures three hours; three credits each semester. Prerequisites: Econ. 201, 202. MR. GARRETT and MR. ABDUL-MAGID.

The first semester is devoted to the advanced analysis of the operation of the market price system in the general areas of value and distribution theory. The second semester is devoted to the advanced analysis of the measurement of national income, employment, the price level, and economic growth.

307. Principles and Methods of Statistics. Both semesters; lectures two hours, laboratory two hours; three credits. MR. GARRETT.

A study of the principles and uses of frequency distribution, measures of central tendency and dispersion, statistical inference, sampling, correlation and regression analysis.

311. Money and Banking. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. MATTHEWS.

An analysis of the institutional framework of the monetary system with emphasis on the evolution of money and money systems and the development of commercial and central banking. Attention is given to the role of monetary affairs in the public policy area.

333. Quantitative Analysis. First semester; lectures two hours, laboratory two hours; three credits. Prerequisites: Econ. 201, 202, 307. MR. GARRETT.

A study of specific statistical techniques including chi-square, analysis of variance, and multiple regression analysis. In addition the following special topics will be considered: application of regression analysis to econometric models, input-output analysis, an introduction to linear programming, and an introduction to game theory as it applies to the theory of the firm.

412. Monetary Theory. Second semester; lectures three hours; three credits. Prerequisite: Econ. 311. MR. MATTHEWS.

This course is concerned with monetary theory and its application to policy measures. Areas of study will include the relation of the money supply to the rate of interest and employment, the relationship between monetary and fiscal policies, and international monetary relations. Where applicable attention is given to the evolution of monetary theory as an aspect of the history of economic thought.

413. Business Cycles and Forecasting. First semester; lectures three hours; three credits. Prerequisites: Economics 201, 202, 303, 304, 311, or permission of instructor. MR. ABDUL-MAGID.

An examination of the nature, measures and causations of economic fluctuations as experienced by the United States with special emphasis on recent experiences. The course examines modern theories of economic growth and their relationships to business cycles, and the role of forecasting and monetary-fiscal policy in promoting economic stability.

421. Public Finance. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202, 303, 304, or permission of instructor. MR. CHOI.

Analysis of governmental expenditures, revenues and debt systems with emphasis upon their economic effects and their relationships to principles of economic welfare. The course focuses attention on recent proposals of fiscal reforms in the United States in the light of the objectives of full employment, economic growth and price stability.

422. Fiscal Policy. Second semester; lectures three hours; three credits. Prerequisites: Econ. 421. MR. CHOI.

The economic background, rationalization and evolution of fiscal policy is examined. A critical evaluation of the alternative approaches of government finance is presented and special emphasis is given to the instruments, problems and applications of fiscal policy. The relationship between monetary and fiscal policy is also examined.

441. American Economic History. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202, or permission of instructor. MR. GITELMAN.

An examination of the sources of American industrial development which relates factor endowments, including natural resources, population, technology, ideology and government to economic growth.

442. Mobility in American Life. Second semester; lecture three hours; three credits. Prerequisites: Econ. 201, 202, or permission of instructor. MR. GITELMAN.

An analysis of the American past which focuses upon immigration, settlement, urbanization, and social mobility as the major expressions of economic and social change.

446. History of Economic Thought. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202, 303, 304.

A survey of economic theories and an analysis of their development in relation to the socio-political context in which they arose. Careful attention is given to laissez-faire doctrines, marginal analysis, institutionalism, neo-classicism, Keynesian economics, and the factors contributing to their development.

451. Public Policy Toward Labor. First semester; lecture three hours; three credits. Prerequisites: Econ. 201, 202. MR. GITELMAN.

A study of public policy in labor-management relations, with special emphasis upon contemporary problems such as: emergency dispute settlement; automation; union growth; and wage-price guide-lines.

452. American Labor History. Second semester; lecture three hours; three credits. Prerequisites: Econ. 201, 202, or permission of instructor. MR. GITELMAN.

An analysis of the growth of American unionism which examines the sources of growth and non-growth, and the roles of leadership and ideology, among other things. An effort is made to relate organized labor's growth to changes in the larger American environment.

461. Government and Business: The Enforcement of Competition. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. SCHIFRIN.

An analysis of the factors that influence and determine business conduct and market performance. Special emphasis is given to the philosophy and features of the anti-trust laws and to the enforcement of market competition through their application.

462. Government Regulation of Business. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. SCHIFRIN.

An analysis of the principles and purposes of government regulation of business in certain sectors of the economy where competition may not be workable, including public utilities,

transportation, agriculture, defense procurement, and scientific research and development.

471. International Economics. First semester; lectures three hours; three credits. Prerequisites: Econ. 311 or permission of instructor. MR. MATTHEWS.

This course develops the theory of international trade from the Mercantilists to the modern economists. The objective is to give the student basic knowledge of analytical tools used by economists in the study of international economic problems.

472. International Trade and Policies. Second semester; lectures three hours; three credits. Prerequisites: Econ. 471 or permission of instructor. MR. MATTHEWS.

This course analyzes historically problems in tariffs and other protectionist devices, the effect of economic development on the pattern of world trade, and problems in balance of payments equilibrium, foreign exchange, and international finance. Particular attention is focused on international economic developments since World War II.

473. Economic Growth and Development. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202, 303, 304 or permission of instructor. MR. CHOI.

The major theories of economic growth and their relationships to the problems of economic development of the underdeveloped countries today are examined. Special consideration is given to the pressure of population and the policies designed to increase the rate of capital formation. Attention is focused on case problems among countries in the underdeveloped areas of the world.

482. Comparative Economic Systems. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. CHOI.

A study of the politico-economic and philosophical aspects of capitalism, socialism, communism and fascism. Special attention is given to the issues in the competition between the U.S.A. and U.S.S.R. for world leadership.

494. Senior Seminar. Second semester; three credits. Required of all seniors concentrating in Economics. STAFF.

The course attempts (a) to integrate information acquired in previous courses; (b) to develop broader insights into critical issues of public policy; (c) to create a scale of priorities regarding the alternative approaches toward these issues; (d) to improve skills in defending orally and in writing points of view once taken; and (e) to acquaint students with the various sources of professional literature in economics. Frequent reports and extensive readings are required.

495, 496. Honors. Continuous course; hours to be arranged; three credits each semester. STAFF.

Advanced study on a tutorial basis the first semester. In the second semester each student undertakes independent research on a selected topic and presents an Honors Essay. Each Honors student is responsible for (a) the supervised reading of a selected list of books in economics; (b) satisfactory completion by May 1 of an original essay, or other scholarly project in the field of economics; and (c) satisfactory performance on a comprehensive oral examination. Honors students are not required to take Economics 494. Credit in Economics 495 does not depend on the completion of the rest of the Honors Program. A student who withdraws from the Honors program at the end of the first semester must take Economics 494 the second semester. A student who completes the Honors Essay but does not achieve Honors may be given credit for Economics 494.

Education

PROFESSORS HOLLAND¹ (*Dean of the School of Education*), HERRMANN, MCCARTHA and NELSON.² ASSOCIATE PROFESSORS CHESSE, CLEM, COPELAND, GALFO,¹ HAYNES, and G. SMITH. ASSISTANT PROFESSORS ALEWYNSE, GEOFFROY, JENKINS,³ RILEY, SYKES, and WENGER. LECTURERS AYRES, MATIER, MORRELL, and R. SMITH.

REQUIREMENTS FOR CONCENTRATION

Students who wish to concentrate in education must meet the admission requirements of the School of Education; prior to graduation they must also complete distribution requirements of the College.

Students not admitted to the School of Education as concentrators may, with the approval of the Dean or his designated representative, enroll in courses offered by the School of Education.

Elementary Education

In addition to the courses listed below, the student should include in his program 15 semester credits in English, 3 in U.S. History, 3 in Geography, and 6 in Mathematics. He should also elect, in consultation with an advisor from the Department of Education, intermediate and advanced courses in at least one subject field and preferably two subject fields.

	<i>Semester Credits</i>
Education 301—Human Development and Learning	3
Education E302—Fundamentals of Elementary Education	3
Education E304—Teaching Reading in the Elementary School.....	3
Education E305—Materials and Methods in Elementary School	3
Education E321—Children's Literature	3
Education 325—Mathematics for Elementary Teachers	3
Education E401A, E402A—Supervised Teaching—Primary Grades or	6
Education E401B, E402B—Supervised Teaching—Upper Elementary Grades	
Education 404—Philosophy of Education	3
Total	27

¹On leave of absence, 1966-67.

²Acting Dean of the School of Education 1966-67.

³Acting Assistant Professor 1966-67.

The following additional courses are required to meet certificate requirements in the State of Virginia:

	<i>Semester Credits</i>
Fine Arts 331—Principles of functional design	3
Music 320—Music for Elementary School Teachers	} 3
or	
Music 321—Music in the Elementary School	
Physical Education 321—Foundations of Health Education	3

Secondary Education

In addition to the courses listed below, the student should include in his program 12 semester credits in English, 3 in U.S. History, 6 in Mathematics, and a course in foundations of health education in order to meet certificate requirements for the State of Virginia.

Education 301—Human Development and Learning	3
Education S302—Fundamentals of Secondary Education	3
Education S401-S402—Supervised Teaching	6
Education S403—Methods of Teaching in the Secondary School	3
Education 404—Foundations of Education	3
Education 411—Guidance and Personnel Work in Schools	3
Total	21
Major Teaching Field—Courses on the intermediate and advanced level	24

Current requirements for teacher certification in the State of Virginia will expire July 1, 1968. Students graduating after this date will be expected to meet the revised standards.

GRADUATE STUDY

Graduate study is offered for those who have completed with merit an undergraduate program at an accredited institution. Programs are designed not only for those who have a Bachelor's degree in Education but for graduates from colleges in liberal arts, engineering, and other colleges. The advanced degree requirements enable students to strengthen their undergraduate preparation, to qualify for positions of Division Superintendent of Schools, Secondary and Elementary School Principalship, Director of Instruction, Supervisor, Guidance Counselor and

Teacher of the Mentally Retarded; and to further prepare for classroom teaching.

Admission to the Graduate School of Education

Application:

Application banks for admission to graduate study in the School of Education should be requested from either the office of the Dean of Admissions of the College or from the office of the Dean of the School of Education.

Definition of Graduate Status:

Graduate students are admitted to *Regular Graduate* status, or as *Unclassified* students. Applicants must have completed the requirements for a Bachelor's degree in an institution of approved standing. Regular graduate students are permitted to undertake programs of study which lead to an advanced degree. These students must have achieved a minimum quality point average of 1.5 or its equivalent in undergraduate study and must have satisfactory professional recommendations, including a satisfactory rating as a teacher or educational administrator made by a professional superior.

Unclassified students are not admitted to degree programs. Consequently, it should not be assumed that credits earned in the unclassified status will be credited toward the Master's Degree. Unclassified students wishing to undertake the Master's Degree program may re-apply for admission after successfully completing the prescribed courses approved by the Dean of the School of Education.

Undergraduate Background:

The admission requirements for both the Master of Arts and Master of Education degrees in the School of Education include the provision that the applicant hold the Virginia Collegiate Professional Teaching Certificate or its equivalent. Equivalents are as follows:

1. The undergraduate program contains a minimum of fifteen

(15) semester credits in education, including six semester credits of practice teaching; or

2. The bachelor's degree in Education, including practice teaching (two years of successful teaching experience will be accepted in lieu of practice teaching); or

3. Holders of the bachelor's degree, without professional preparation, upon the completion of two years of successful teaching may be accepted as graduate students *Contingent* upon the passing of certain undergraduate courses in education. Such courses will be determined upon the basis of individual need and required in addition to and prior to courses on the graduate level.

Graduate Record Examination:

Applicants for admission to regular graduate status are asked to submit to the Dean of the School of Education the scores on the Graduate Record Examination if this has been taken. If the Graduate Record Examination has not been taken, the Graduate Admissions Committee of the School of Education may, require the scores as part of the data submitted by an applicant.

Degrees Awarded:

The faculty awards the degrees of Master of Arts and Master of Education. In addition the Certificate of Advanced Study and the Doctor of Education Degree are offered in Educational Administration. Information concerning these programs may be requested from the office of the Dean of the School of Education.

Master of Arts in Teaching:

The degree of Master of Arts in Teaching (M.A.T.) is designed for the recent college graduate who holds a degree in one of the subject fields taught in the secondary school, and who has not previously prepared himself for a teaching career. It is intended to provide an opportunity for such a graduate to strengthen his preparation in the subject field which he plans to teach and, at the same time, to complete certain professional training needed for certification for classroom teaching in the secondary school. The purpose of the program is to encourage

persons with high levels of competency in a subject field to enter secondary school teaching, and to provide the means by which they can be more successful in the classroom.

The course of study for the M.A.T. degree is not intended to duplicate the work of, or compete with, the program for the Master of Education (M.Ed.) degree, which is designed for the further preparation in the field of Education of individuals who already hold degrees in Education and Collegiate Professional Certificates for Teaching, and who wish to prepare for administrative and other such professional positions in the public school system. The M.A.T. degree also is not intended to duplicate the work for the degree of Master in Teaching of Science (M.T.S.) which is designed to increase the level of competency in a scientific field of established teachers in that field, and which is now related specifically to the National Science Foundation Institute program. The M.A.T. degree also is not intended to duplicate the work for the regular Master of Arts (M.A.) degree.

The program for the M.A.T. degree consists of two parts. The primary part is liberal arts instruction at the graduate level in the subject field. This requirement, therefore, limits the M.A.T. program to students who plan to teach subjects for which graduate study at the College of William and Mary is offered. In principle, this instruction will enable the Faculty of Liberal Arts and Sciences to certify that the candidate is competent in his subject field.

The second part of the M.A.T. curriculum is professional training in Education, the core of which is an integrated program of teaching internship and pedagogy. This professional training in Education is designed to enable the faculty of the School of Education to recommend that the candidate is qualified for a Collegiate Professional Certificate for teaching in the secondary school. Within the framework of these two goals, the program of instruction will be tailored to the educational needs of the individual student.

This is a fifteen-month program consisting of two semesters of course work during the regular academic session, followed by courses in the summer session, and a semester of internship.

I. Admission Requirements

- A. The applicant must qualify for regular graduate status.
- B. The applicant must be recommended by the Department Head of the subject field involved and approved for regular graduate status.
- C. The applicant must have an undergraduate major in the proposed teaching field or sufficient preparation in that field to fulfill the requirements of the M.A.T. degree. This implies an individual program must be planned by the Department Head with concurrence of the applicant prior to recommendation for admission.
- D. Applicants may be required to take the Graduate Record Examination (Aptitude and Advanced). Applicants will be notified by the department concerned, if the examination is to be required.
- E. Completed applications should be received by May 15.
- F. Applicants will be admitted only on approval by the Graduate Studies Committee.

II. Degree Requirements

- A. Degree requirements for each student may be varied within the limits described below. Individual programs will be worked out in detail by the respective Department Head and the Dean of the School of Education or their designated representatives.
- B. Total credits: 33 semester credits divided between the teaching field and professional development.
 - 1. Teaching Field: 18 semester credits.
 - 2. Professional Development: 15 semester credits with a minimum of six in courses exclusively for graduate students.
 - 3. Students with undergraduate training in Education may increase the credits taken in the Teaching Field by a

number equal to that previously taken in Professional Development.

4. At least one-half of the total hours for the degree must be earned in courses exclusively for graduate students.
- C. The student will be given an oral comprehensive examination at the conclusion of the course work in the subject field and again at the conclusion of his internship. The candidate may be certified for candidacy for the degree after successful completion of the examination in the subject field. The examining committee representative of the subject field and the School of Education shall be appointed by the Dean of Graduate Study.
- D. One semester of full-time teaching internship in a selected High School in accordance with agreements made between the College and the school.
- E. An average of *B* in the 33 hours of course work taken with no grade below *C*.

DESCRIPTION OF COURSES

GENERAL COURSES

301. Human Development and Learning. Either semester; lectures three hours; three credits. MR. RILEY.

Beginning course in both Elementary and Secondary Education. Human growth and development; the psychology of learning.

325, 326. Mathematics for Elementary Teachers. Continuous course; lectures three hours; three credits each semester. MR. COPELAND.

An introduction to the concepts, language, and scope of the mathematics now finding its way into the curriculum of the public schools. Designed for prospective elementary and junior high school teachers.

Education 325, 326 are content courses of the survey type structured for teachers and approved by the State Department

of Education to meet the six semester hour math requirement for teaching in Virginia. These courses do not meet the college distribution requirement. Education 325 is not a prerequisite for Education 326, but the normal sequence is recommended.

404. Philosophy of Education. Either semester; lectures three hours; three credits. MR. ALEWYNSE and MR. RILEY.

The history and philosophy of education from ancient times to the present. Emphasis is placed upon the several philosophical systems supporting education currently in the United States and foreign countries. Required of all students studying for the Master's degree.

SECONDARY EDUCATION

S302. Fundamentals of Secondary Education. Either semester; lectures three hours; three credits. MR. JENKINS, MR. NELSON and MR. RILEY.

Deals with development and curriculum of the American secondary school and the theory and practice of secondary teaching methods. This course is required of students planning to teach on the secondary level.

S305. The Teaching of High School Latin. Either semester; lectures three hours; three credits. Same as Ancient Languages 405.

S401, S402. Supervised Teaching. Continuous course; five days a week; three credits each semester. Prerequisites: senior standing, nine semester credits in Education including Education S302; fifteen semester credits in each academic subject to be taught. MR. ALEWYNSE, MR. JENKINS, MRS. MORRELL, MR. RILEY and MRS. R. SMITH.

S403. Methods of Teaching in the Secondary School. Both semesters; lectures three hours; three credits. Prerequisites: Education 301 and Education S302 and fifteen semester credits in the subject of teaching choice. MR. ALEWYNSE, MR. JENKINS and MISS MATIER.

An introduction to the organization of instruction. The course deals with selecting and using materials, practicing methods of teaching, and evaluating learning in the several subject fields. It is desirable that this course be taken prior to or concurrently with supervised teaching.

411. Guidance and Personnel Work in Schools. Either semester; lectures three hours; three credits. MR. CLEM, MR. GEOFFROY and MR. HAYNES.

A study of the fundamental principles of pupil guidance and current practices in school systems. Emphasis is placed on the teacher's responsibilities in a program of guidance. This course is intended for students without previous courses in Guidance and is a prerequisite for all other courses in Guidance.

ELEMENTARY EDUCATION

E302. Fundamentals of Elementary Education. Either semester; lectures three hours; three credits. MR. CHESSEY and MR. MCCARTHA.

A basic course for prospective elementary teachers. This course deals with the growth of the elementary school in America; the aims of education; the unique function and characteristics of the elementary school; curriculum-making and elementary school organization; school and community relations; and the professional development of elementary school teachers.

E304. Teaching Reading in the Elementary School. Either semester; lectures three hours; three credits. Education 301 and E302 must precede or be taken as parallel courses. MRS. WENGER.

A basic course in the fundamentals of instruction in reading. This course is concerned with the application of principles of learning and child development to the teaching of reading and the related language arts.

E305. Materials and Methods in the Elementary School. Either semester; lectures three hours; three credits. MR. SYKES.

A continuation of E304 with emphasis upon the areas of social studies, mathematics, science and physical education.

E321. Children's Literature. Either semester; lectures three hours; three credits. MISS AYRES.

Reading and examination of books and other materials suitable for the child of elementary school age. Includes a study of children's reading interests; criteria and aids of selection of materials; practice in evaluating materials; and a brief survey of the history and trends in publishing books for children. This course is required of all students preparing for elementary school teaching.

E401-A, E402A. Supervised Teaching, Primary Grades. Continuous course; five days a week; three credits each semester. Prerequisites: Educ. 301, E302 and E304, E305, or parallel courses. MR. CHESSE and MR. SYKES.

E401-B, E402-B. Supervised Teaching, Upper Elementary Grades. Continuous course; five days a week; three credits each semester. Prerequisites: Educ. 301, E302 and Educ. E304, E305, or parallel courses. MR. CHESSE and MR. SYKES.

SPECIAL AND ADVANCED COURSES

S400. Problems of Secondary Education. Either semester; hours and credits to be arranged. STAFF.

This course is designed for students who are capable of independent study under the direction and in consultation with staff specialists. Students undertake study and research of educational problems of individual concern resulting from previous study or experience.

E405. Elementary School Curriculum. Either semester; lectures three hours; three credits. MR. MCCARTHA.

The application of psychological principles to classroom teaching. Topics include: learning and transfer, child development, methods of measuring individual differences and achievement, and the adjustment of the teacher.

402. Educational Psychology. Second semester; lectures three hours; three credits. STAFF.

This course deals with recent theories and practices in curriculum development in public elementary schools. Particular attention is devoted to the Virginia courses of study. The course is primarily intended for teachers, principals, and supervisors, but parents and others interested may enroll.

412. Human Relations in Administration. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202; or permission of instructor. (See Business 412.)

This course is designed to familiarize the student with the human relations problems encountered in managing employees, and to develop in the student an administrative philosophy and knowledge of personal techniques which would enable him to handle these problems.

414. Measurement in Education. Either semester; lectures three hours; three credits. MR. HERRMANN, and MR. GEOFFROY.

An introduction to the use of standardized instruments for measuring mental ability, scholastic achievement, special aptitudes and pupil interest. The course deals with test selection, administration and scoring, interpretation and application of test results in teaching and guidance.

415. Evaluation of Instruction. First semester; lectures three hours; three credits. MR. HERRMANN.

This course is designed to develop competence in constructing valid and reliable teacher-made tests to measure achievement of the pupils and to use attitude and interest inventories.

419. Mental Hygiene in the Classroom. Either semester; lectures three hours; three credits. STAFF.

Study of the conditions under which wholesome mental and emotional growth takes place, and ways in which the classroom environment can contribute to such growth.

421. Psychology of Exceptional Children. First semester; lectures three hours; three credits. MISS SMITH.

The psychological aspects of exceptionality. A survey type of course which deals with the different kinds of disorders, with particular attention given to the implications for learning and life adjustment. Both theoretical and practical points of view are offered. The course is designed for teachers, supervisors, administrators, counselors, psychologists, and others.

423. Individual Appraisal for Guidance Purposes. First semester; lectures three hours; three credits. MR. CLEM.

A study of tools and techniques which may be used by teachers and counselors to improve their understanding of the problems of individual students. Emphasis is given to the interpretation of case data.

424. Techniques of Counseling. Second semester; lectures three hours; three credits. Prerequisite: Educ. 423 or equivalent. MR. CLEM, MR. HERRMANN, and MR. GEOFFROY.

An intensive study of techniques used in counseling with students. The course includes a study of techniques of effective interviewing and of techniques of assisting students in gaining insights into their personal problems. Extensive use is made of case data.

425. Survey of Exceptional Children. First semester; lectures three hours; three credits. MISS SMITH.

The psychological aspects of exceptionality. A course designed to acquaint teachers, administrators, counselors, and interested patrons with the entire field of Special Education.

426. Developmental Reading. First semester; lectures three hours; three credits. MRS. WENGER.

A course designed to help teachers understand the essentials of developmental reading instruction from the readiness period through the secondary level. Attention is given to the organization of programs of reading instruction at various levels. Also included is a study of word attack skills, comprehension and reading

in the content areas. The application of research and theory in classroom practice is considered. Laboratory experiences in the teaching of reading are included when possible.

427C. Characteristics and Psychology of the Mentally Retarded. Second semester; lectures three hours; three credits. MISS SMITH.

A study of the nature and behavior of mentally retarded children. Attention will be given to procedures for coping with behavior patterns of the mentally retarded on all age levels.

427E. Introduction to the Education of the Emotionally Maladjusted. Second semester; lectures three hours; three credits. MISS SMITH.

A study of the emotional disorders of children. Emphasis is placed on those difficulties which present more severe learning problems and the implications for special teaching procedures and techniques.

427L. Teaching Reading and Language Arts to the Mentally Retarded. Either semester; lectures three hours; three credits. MISS SMITH.

A specialized course dealing with the problems of teaching the language arts to the trainable and educable mentally retarded and the slow learners. Emphasis will be centered on curriculum adjustment, teaching methods, and evaluation.

427M. Education of Mentally Retarded Children. Second semester; lectures three hours; three credits. MISS SMITH.

For teachers of the mentally retarded in all areas of the instructional program. The course will include the kinds of materials, instructional procedures and resources for the severely retarded (trainable) and educable mentally retarded on the Primary, Intermediate, and Secondary age levels.

S436. The Improvement of Reading in the Junior and Senior High School. Either semester; lectures three hours; three credits. MRS. WENGER.

A course intended for teachers in junior and senior high school who desire to improve their competence in the teaching of reading. Includes intensive study of the nature of reading problems among adolescents and young adults, the most effective techniques of improving reading abilities among this group, and appropriate materials to be used in this teaching.

For complete course descriptions and detailed information relating to the graduate program, write to the Dean of the School of Education.

500. Individual Study. Either semester; hours and credits to be arranged.

501. Research Methods in Education. Either semester; lectures three hours; three credits. MR. JENKINS.

502. Seminar in Education. Either semester; lectures three hours; three credits. MR. McCARTHA.

504. Philosophy and History of Education. Either semester; lectures three hours; three credits. Prerequisite: Consent of the instructor. MR. ALEWYNSE and MR. RILEY.

505. Curriculum Organization—Secondary School. Either semester; lectures three hours; three credits. MR. SYKES.

506. Supervision of Instruction. Either semester; lectures three hours; three credits. MR. McCARTHA.

507. Educational Administration. Either semester; lectures three hours; three credits. MR. CHESSER.

508. The Organization and Administration of Secondary Schools. Second semester; lectures three hours; three credits. MR. CHESSER.

509. The Organization and Administration of Elementary Schools. Second semester; lectures three hours; three credits. MR. McCARTHA, MR. SYKES.

510. School Finance. Second semester; lectures three hours; three credits. MR. CHESSE.

517. The Informational Services in Guidance Programs. Either semester; lectures three hours; three credits. MR. CLEM, MR. GEOFFROY.

518. Organization of Guidance Programs. Second semester; lectures three hours; three credits. Prerequisite: Educ. 411, or equivalent. MR. CLEM.

519. Seminar in Guidance Problems. Either semester; hours to be arranged; credits according to work done. Prerequisite: approval of instructor. MR. CLEM.

520. Supervised Practice in Counseling. Either semester; three to six credits. MR. CLEM.

522. Individual Testing. Either semester; lectures three hours; three credits; prerequisites: Education 414, six additional hours in guidance and consent of the instructor. MR. GEOFFROY.

523. Counseling: The Psychological and Sociological Processes. Prerequisite: approval of the instructor. Either semester; three to six credits. MR. CLEM.

526. Diagnostic and Remedial Procedures in Reading. Second semester; lectures three hours; three credits. Prerequisite: Education 426 or permission of the instructor. MRS. WENGER.

528. Practicum in Reading. Credit hours to be arranged. Prerequisites: Education 426 and 526 or permission of the instructor. MRS. WENGER.

530. Project. Hours to be arranged. MR. NELSON.

531. Human Growth and Development. Either semester; lectures three hours; three credits. Prerequisite: Education 301 or equivalent. STAFF.

560. Thesis. Either semester; hours to be arranged. MR. NELSON.

561. School Law. Second semester; lectures three hours; three credits. MR. NELSON.

562. Curriculum Development. Second semester; lectures three hours; three credits. MR. HAYNES.

563. School and Community Relations. Either semester; lectures three hours; three credits. MR. HAYNES.

564. School Plant. First semester; lectures three hours; three credits. MR. CHESSE.

565. Personnel Management. First semester; lecture three hours; three credits. MR. HAYNES.

TEACHER SCHOLARSHIPS, LOANS AND STUDENT EMPLOYMENT

Virginia Teacher's Scholarship

The General Assembly of Virginia has made an appropriation for Teacher Training Scholarships available to freshmen, sophomores, juniors and seniors who are residents of the State and who plan to teach in the Virginia Public Schools. These scholarships are for \$350.00 per academic year and for proportionate amounts during the Summer Session. Inquiries should be addressed to the Dean of the School of Education.

Kappa Delta Pi Scholarship

The Alpha Xi Chapter of Kappa Delta Pi, national honor fraternity for teachers and students in Education, annually offers a \$100.00 scholarship to the student displaying combined scholarship and outstanding professional qualities. Inquiries should be directed to the Dean of the School of Education.

National Defense Student Loans

Under the National Defense Education Act of 1958, Congress

authorized substantial funds for the establishment of low interest, long-term student loans in institutions of higher learning. Any full-time student or prospective student may apply for a loan under this Act. The applicant must be in good standing in his course of study, and he must be able to demonstrate need for financial assistance.

Employment, Loans and Other Scholarships

Opportunities for student employment, loan programs and other undergraduate scholarships are described under *Loans and Employment*.

GRADUATE ASSISTANTSHIPS

Assistantships in the amount of \$1,800.00 and tuition each academic year are available to regular graduate students who are enrolled for full-time graduate study. Applications should be directed to the Dean of the School of Education.

TEACHER PLACEMENT

The School maintains a Bureau of Recommendations to assist its graduates who plan to teach or who are seeking changes in employment. No registration fee is charged, and all students enrolled in the School are urged to avail themselves of this service. If the students file complete records and cooperate with the Bureau, the faculty can be of assistance to those who go into teaching, not only at graduation but also at later times.

STUDENT HONORS AND ACTIVITIES

Kappa Delta Pi

This honor society in Education was first organized in 1911 and Alpha Xi Chapter of the College of William and Mary was chartered in 1922. The purpose of Kappa Delta Pi "shall be to encourage high professional, intellectual, and personal standards and to recognize outstanding contributions to education. To this end it shall invite to membership such persons as exhibit commendable personal qualities, worthy educational ideals, and sound scholarships. It shall endeavor to maintain a high degree of pro-

fessional fellowship among its members and to quicken professional growth by honoring achievement in educational work." Both men and women are eligible for membership.

Student Education Association

The student organization which complements the National Education Association and the Virginia Education Association has been active in furthering professional competence and providing members with introductions to the National and State professional organizations. All prospective teachers are eligible for membership.



English Language and Literature

PROFESSORS NEIMAN (*Head of the Department*), DAVIDSON, EVANS, JONES, and McCULLEY. ASSOCIATE PROFESSORS DOLMETSCH, JENKINS, and SMITH. ASSISTANT PROFESSORS BALL, DAVIS, DONALDSON, GODSHALK, and WILLIS. INSTRUCTORS ANDREWS, BEATTY, BENSE, ELLIOTT, HAGEMAN, HEISSEN BUTTEL, HOLMES, HUBERT, MCGAVRAN, MACCUBBIN, MASON, NICKERSON, SEALE, SPARLING, THURMAN, and WILKINSON.

REQUIREMENTS FOR CONCENTRATION

A concentration in English requires 30 credits in courses beyond the distribution requirements in literature. These distribution requirements must be satisfied by English 101-102 and English 201-202 or Humanities 201-202.¹

To ensure a balanced and representative program a concentrator must include, in his total of 30 credits, courses in designated areas, periods, and types of literary study. Specifically his program must contain:

- I. A minimum of five courses (15 credits) in English or American literature (411 to 463), of which at least three courses (9 credits) must be in English literature (411 to 452). These five courses shall include:
 - a. One course (3 credits) in Chaucer, Shakespeare, or Milton (413, 421, 422, or 426).
 - b. Two courses (6 credits) in English literature before 1660 (411 to 429). Only one course (3 credits) in Shakespeare (421 or 422) may be counted for this purpose.
 - c. Two courses (6 credits) in one of the following combinations, representing the study at length of the literature of a period or genre: 411, 412; 423, 424; 429, 430; 431, 432; 439, 440; 441, 442; 461, 462; 462, 463.

¹Students will normally complete the distribution requirements before beginning any 300 courses in English.

(Several courses offered by the department, it should be noted, will fulfill more than one of these requirements simultaneously.)

- II. One course (3 credits) in a seminar taken during the senior year. (Candidates for departmental honors must in addition elect English 495, 496 and will normally meet their seminar requirement in the second half of their junior year.)
- III. Remaining courses (for a total of 30 credits) selected from the department's offerings in accord with the concentrator's interests and vocational expectations.²

DESCRIPTION OF COURSES

101, 102. Composition and Literature. Continuous course; lectures three hours; three credits each semester. STAFF.

The course aims to develop (1) the student's ability to use expository prose as an instrument of thought and expression, and (2) his understanding of the nature of literature and his ability to read with accuracy and judgment. The course emphasizes close reading and discussion, orally and in writing, of works illustrative of some major literary genres.

†101H, 102H. Composition and Literature. Continuous course; lectures three hours; three credits each semester. STAFF.

English 101H, 102H is designed for the student with better than usual preparation. In general the course covers the same range as English 101, 102. The readings, class discussion, and writing continuously emphasize the development of critical skills. Students are assigned by the Department of English to English 101H, 102H on the basis of the records submitted to the Dean of Admissions. This course satisfies the distribution requirement.

201, 202. English Literature. Continuous course; lectures three hours; three credits each semester. STAFF.

²English 303 or 304 and one semester in American Literature are required for the Virginia Collegiate Professional Teaching Certificate in English. For prospective English teachers the Department advises the selection of English 209 and English 301.

A survey of English literature, with collateral readings, discussions and reports.

†201H, 202H. Survey of English Literature. Continuous course; lectures three hours; three credits each semester. **STAFF.**

English 201H, 202H is designed for the student of unusual proficiency. Admission to these sections is by recommendation of the coordinator of sophomore English. The course satisfies the distribution requirement.

209. Composition. Both semesters; lectures three hours; three credits. **STAFF.**

This course provides intensive practice in writing different kinds of papers under criticism. Expository writing is stressed, but there is opportunity for creative writing. Because of limited enrollment and frequent individual conferences, students obtain the individual attention necessary to develop their writing abilities. The course also provides opportunity for student criticism of writing.

301. Critical Reading and Writing. Both semesters; lectures three hours; three credits. **MR. EVANS and MR. WILLIS.**

A study of contemporary critical approaches to literature, the close reading of selected works of literature, and the application of theory through the writing of critical papers. Five generally recognized approaches to criticism will be discussed: moral, sociological, psychological, archetypal, and textual or verbal criticism.

303. History of the English Language. Both semesters; lectures three hours; three credits. **MR. BALL and MISS BEATY.**

A study of the history of the English language from Anglo-Saxon to the present. Some attention is given to American English and English linguistics.

304. Modern Grammar. Both semesters; lectures three hours; credit three hours. **MISS BEATY and MR. BALL.**

A general survey of the development of English grammar and language with particular emphasis on modern grammar and syntax.

***305, 306. Advanced Writing.** Continuous course; lectures three hours; three credits each semester. MR. JENKINS.

The course is intended for the student who has demonstrated some talent for creative writing. He is encouraged to develop his individual interests and creative capacities. Extensive practice in the several types of writing. The course is conducted as a seminar; manuscripts are read and criticized informally by members of the class.

307. Major American Authors. Both semesters; lectures three hours; three credits. MR. DOLMETSCH and MR. DONALDSON.

A study of six major American writers of the nineteenth and twentieth centuries. This course is especially designed for students who plan to take one semester only of American literature.

372. The Bible as Literature. Second semester; lectures three hours; three credits. MR. HOLMES.

A study of selected portions of the Old and New Testaments.

381. Epic and Romance. First semester; lectures three hours; three credits. MR. NEIMAN.

The study of two major literary forms, with especial reference to *The Aeneid*, *The Divine Comedy* and *Don Quixote*.

382. 19th Century European Novel and Drama. Second semester; lectures three hours; three credits.

A study, with special reference to problems of form, of several plays, and novels of continental Europe, chiefly of the nineteenth century. (Not offered in 1966-1967.)

†396. Junior Honors Seminar. Second semester; hours to be arranged; three credits.

A study in depth of a limited literary topic, emphasizing stu-

dent discussion and the preparation of critical papers. This course is restricted to concentrators planning to enroll in Senior Honors, and is a substitute for the required senior seminar.

408. Literary Criticism. Second semester; lectures three hours; three credits. MR. EVANS.

Through a study of major literary critics, this course seeks to formulate a comprehensive and reasoned view of the nature, function and value of literature.

411. Old English. First semester; lectures three hours; three credits. MR. DAVIDSON.

An introduction to the Old English language, including elementary grammar and phonology and the reading of prose texts; collateral readings in the history and culture of the period.

412. Medieval Literature. Second semester; lectures three hours; three credits. MR. DAVIDSON.

A survey of Old and Middle English literature exclusive of Chaucer.

413. Chaucer. First semester; lectures three hours; three credits. MR. DAVIDSON.

A study of Chaucer's *Canterbury Tales* and *Troilus and Criseyde*.

421. Shakespeare. First semester; lectures three hours; three credits. MR. GODSHALK.

An intensive study of selected histories and comedies.

422. Shakespeare. Second semester; lectures three hours; three credits. MR. GODSHALK.

An intensive study of the major tragedies and the "problem" comedies.

423. The English Renaissance. First semester; lectures three hours; three credits. MR. EVANS.

A survey of English literature, excluding the drama, in the sixteenth century, with emphasis on the works of such contemporaries of Shakespeare as Raleigh, Marlowe, Sidney, and Spenser.

424. The Seventeenth Century. Second semester; lectures three hours; three credits. MR. EVANS.

A survey of the poetry and prose of the first half of the seventeenth century, with emphasis on the work of Ben Jonson, Herrick, Donne and the Metaphysical poets, and Sir Thomas Browne.

426. Milton. Second semester; lectures three hours; three credits. MR. BENSE.

An intensive study of Milton's poetry and prose, with emphasis on *Paradise Lost* and *Samson Agonistes*.

429. English Drama to 1642. First semester; lectures three hours; three credits. MR. McCULLEY.

A study of drama in England, including conventions and currents of ideas, from the origins to the closing of the theatres in 1642, with emphasis on the works of Christopher Marlowe, Ben Jonson, and John Webster.

430. English Drama since 1660. Second semester; lectures three hours; three credits. MR. McCULLEY.

A study of English drama from 1660 to the present, with emphasis on Restoration comedy and dramatists from Shaw to the present; related Continental plays, particularly those of Ibsen, will be studied. Intellectual implications and critical analysis of texts will be stressed.

431. English Literature, 1660-1744. First semester; lectures three hours; three credits. MR. McCULLEY.

Literary forms and intellectual history from the Restoration to the death of Pope, as shown in major works of Dryden, Bunyan, Addison, Pope, Swift, Defoe, and others.

432. English Literature, 1744-1798. Second semester; lectures three hours; three credits. MR. McCULLEY.

Literature and history of ideas in the age of Johnson, Goldsmith, and Burke, with attention to countertrends leading toward the following period in the works of Gray, Smart, Cowper, and Blake.

439. English Novel to 1832. First semester; lectures three hours; three credits. MR. SMITH.

Survey of the development of English prose fiction from its beginnings in the Elizabethan period through the novels of Austen.

440. English Novel, 1832-1900. Second semester; lectures three hours; three credits. MR. SMITH.

Survey of the English novel from Dickens to the early twentieth century.

441. The Romantic Period, 1798-1832. First semester; lectures three hours; three credits. MR. MCGAVRAN.

Dominant ideas and conventions of English romanticism as expressed through major poets and critics of the period, especially Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats.

442. The Victorian Age. Second semester; lectures three hours; three credits. MR. NEIMAN.

Emphasis is on the intellectual crises of the age as expressed primarily by leading poets and essayists from Carlyle to Hardy.

451. Modern Poetry. First semester; lectures three hours; three credits. MR. WILLIS.

Modern English and American poetry and its development, with reading, interpretation and discussion of the verse of Yeats, Pound, Eliot, Auden, Stevens, Thomas, and others.

452. Modern Fiction. Second semester; lectures three hours; three credits. MR. JENKINS.

Reading, analysis and discussion of the principal American and British fiction writers from 1890 to the present, chosen to illustrate contemporary tendencies in matter and technique.

461. American Literature to 1850. First semester; lectures three hours; three credits. MR. DOLMETSCH and MR. DAVIS.

The development of the American literary tradition from 1607 to 1850, emphasizing the chief writers and the characteristic themes and forms of their work.

462. American Literature, 1850 to 1900. Second semester; lectures three hours; three credits. MR. DONALDSON and MR. DOLMETSCH.

A continuation of English 461. The American literary tradition from Transcendentalism to realism.

463. American Literature since 1900. First semester; lectures three hours; three credits. MR. DAVIS and MR. DONALDSON.

A continuation of English 462. The American literary tradition during the Twentieth Century. Considerable attention is given to developments in the drama.

†475. Senior Seminar in English. Both semesters; seminar three hours; three credits. STAFF.

A study in depth of a limited literary topic. Students will write and present papers for critical discussion. Open only to seniors.

HONORS STUDY

†495, 496. Honors. Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Honors Study in English will be enrolled in this course during both semesters of their senior year. The course comprises (a) supervised reading in the field of the student's major interest; (b) the preparation and presentation by May 1 of an Honors Essay based on the student's own research; and (c) satisfactory performance in a comprehensive oral examination in the field of the student's major interest.

Fine Arts

PROFESSORS THORNE (*Head of the Department*), NEWMAN and ROSEBERG. INSTRUCTOR COLEMAN. LECTURERS PHILLIPS, and GRAY.

REQUIREMENTS FOR CONCENTRATION

Students concentrating in Fine Arts must take Fine Arts 201, 202, or 201H, 202H, 401, 402, or 495, 496, and a minimum of 24 additional credits in the Department. A maximum of 21 technical and a total of 42 credits is allowed in a subject field or department.

SPECIAL PROGRAMS OF STUDY

- I. History of Art: Fine Arts 304, 305, 404, 405, 406, 407; one other course in Fine Arts should be included.

NOTE: Students who contemplate graduate work in the History of Art or the History of Architecture should have upon graduation a reading knowledge of either German or French. It is further urged that they plan to take advanced courses in either History or English Literature.

- II. Architecture: Fine Arts 211, 212, 213, 214, 313, 314, 405.

NOTE: Students who contemplate professional work in Architecture should take Physics 101-102, Engineering Graphics 201-202, and one year of the Calculus.

- III. Sculpture: Fine Arts 211, 212, 215, 216, 304, 317, 318, 404, 407.
- IV. Painting: Fine Arts 211, 212, 306, 315, 316, 404, 406, 410, or 415, 416.
- V. Teaching of Art: Fine Arts 211, 212, 213, 215, 315, 331, 421, 422.

DESCRIPTION OF COURSES

201, 202. Introduction to the Arts. Continuous course; lectures three hours; three credits each semester. STAFF.

The development of architecture, sculpture, and painting from the earliest times to the present day. Open to freshmen with the permission of the Chairman.

201H, 202H. An Introduction to the History of Art. Sophomore honors course. Continuous course; lectures, readings, and seminar three hours; three credits each semester. MR. NEWMAN.

211, 212. Elementary Drawing. Continuous course; studio six hours; three credits each semester. MR. COLEMAN.

Creative experience in various media, with emphasis on the visual elements of design. A basic course for practical work in architecture, sculpture, painting and theatrical design.

213, 214. Introduction to Architecture. Continuous course; studio six hours; three credits each semester. MR. PHILLIPS.

The first semester is a survey of architectural development with particular attention to American and Contemporary examples. The second semester is a study of spaces for living including contemporary concepts of design, spatial organization materials, furnishing and gardens in relation to all major types of residential architecture.

***215, 216. Elementary Sculpture.** Continuous course; studio six hours; three credits each semester. MR. ROSEBERG.

A practical course in the use of the sculptor's tools and materials which will include work in ceramics.

304. Art in the Ancient World. Second semester; lectures three hours; three credits. MR. ROSEBERG.

305, 306. Colonial American Art. Continuous course; lectures three hours; three credits each semester. MR. NEWMAN, MR. THORNE.

307, 308. Art in the Modern World. Continuous course; lectures three hours; three credits each semester. STAFF.

Architecture, painting, and sculpture in the nineteenth and twentieth centuries. This course is designed for juniors and seniors with no special knowledge of Fine Arts who wish some knowledge and appreciation of Modern Art.

***313, 314. Architectural Design.** Continuous course, studio six hours; three credits each semester. MR. PHILLIPS.

A course in architectural design, including the design of single buildings, the problem of building groups and community relationships.

***315, 316. Painting.** Continuous course; studio six hours; three credits each semester. MR. THORNE.

An introductory course in the various media of painting; painting in oil, tempera and emulsion.

***317, 318. Advanced Sculpture.** Continuous course; studio six hours; three credits each semester. MR. ROSEBERG.

Compositions in relief and in the round, development of original designs from preliminary sketch to completed work in wood, plaster, stone, and ceramics.

331. Principles of Functional Design. Both semesters; lecture one hour; studio six hours; three credits each semester. MR. THORNE.

Principles and methods of elementary school art. An introductory course in the design of ceramics, prints, plastics, painting, crayon work and other crafts.

***401, 402. Art and Twentieth Century.** Continuous course; lecture one hour; two hours seminar; three credits each semester. STAFF.

Lectures, discussion, and research concerning the major problems and potentialities of the arts in the contemporary world. A special field, Architecture, Painting, or Sculpture, will be selected for concentrated seminar work in relation to the general art problems considered in the lectures.

404. Medieval Art. Second semester; lectures three hours; three credits. MR. NEWMAN.

History of the architecture, painting, and sculpture of the Middle Ages.

405, 406. Renaissance Art. Continuous course; lectures three hours; three credits each semester. STAFF.

The Architecture of the Renaissance in the first semester. Painting of the Renaissance in the second semester.

407. Renaissance Sculpture. First semester; lectures three hours; three credits. STAFF.

409, 410. Oriental Art. Continuous course; lecture three hours; three credits each semester. MR. ROSEBERG.

†411. Problems in Fine Arts. Any semester; hours to be arranged; credits according to work done. STAFF.

This course is for the advanced student and is arranged on an individual basis.

***415, 416. Advanced Painting.** Continuous course; studio six hours; three credits each semester. MR. THORNE.

Compositions in various media to be planned for exhibition. The development of original designs from the sketch to completed work in oil, tempera and encaustic and etching.

***421. Ceramics.** First semester; studio six hours; three credits. MR. COLEMAN.

A study of the procedures in ceramic art. The use of the wheel and making of glazes. Ceramic sculpture in relief and in the round. A part of the course to include enameling on metal.

***422. Graphic Arts.** Second semester; studio six hours; three credits. MR. COLEMAN.

A course in the many ways of print making. The wood-cut, lino-block, etching, lithograph and serigraph will be studied.

***495, 496. Honors.** Continuous course; hours to be arranged; three credits each semester. MR. NEWMAN.

Students admitted to Honors Study in Fine Arts will be enrolled in this course during both semesters of their senior year. The course comprises (a) supervised reading and discussion in the area of the student's major interest, (b) the preparation and presentation by May 1 of either an Honor's Essay in the area of Art History or Criticism based on the student's own research or a major showing of the student's performance in studio work accompanied by a short essay justifying his work, and (c) satisfactory completion of a comprehensive examination in the area of the student's major interest.

NOTE: A student planning to take Honors in Fine Arts should begin in his junior year a special program of reading from a selected bibliography prepared by the Department.

SPECIAL PROGRAM: The Department of Fine Arts has a working agreement with the Institute of Heraldry of the United States Army to train a limited number of students each year for the Institute of Heraldry, subject to Civil Service requirements.

The student should have had Latin before entrance to College, and the College program should include courses in history, French or German, drawing, painting, sculpture, architectural drafting and history of art. Summer appointments will be made between the sophomore and junior years and the junior and senior years for special training at the Institute of Heraldry. Students interested in this program should seek advice from the Department of Fine Arts in the freshman year.

Permanent Civil Service appointments will be made to the Institute of Heraldry upon graduation from the College.

All work produced by the students of the studio classes remains the property of the College of William and Mary until released by the appropriate faculty member in charge. The College will not be responsible for theft or damage to such works.

Geology

PROFESSOR BICK (*Head of the Department*). ASSOCIATE PROFESSOR GOODWIN. ASSISTANT PROFESSORS CLEMENT and JOHNSON.

REQUIREMENTS FOR CONCENTRATION

1. For those students desiring an A.B. degree with a concentration in geology as preparation for law, business, government, or other nonprofessional application of geology (37-38 credits):
 - a. Geology 101, 102, 201, 202, 303, 401 or 402, 403, 404
 - b. Two of the following courses, one of which must be Geology 301, or 302, or 406:
Geology 301, 302, 304, 401 or 402, 405, 406

The student is expected to select electives in such fashion as to present a strong background in a subject area other than geology.

2. For those students desiring a B.S. degree who intend to continue geological studies or to engage in professional geological work upon graduation (39 credits):
 - a. Geology 101, 102, 201, 202, 301, 302, 303, 304, 406, 408, 411, 412
 - b. French, German, or Russian as fulfillment of the language distribution requirement.

DESCRIPTION OF COURSES

101, 102. Earth Processes. Continuous course; lectures three hours, discussion one hour, laboratory three hours; five credits each semester. MR. GOODWIN and STAFF.

The processes of the hydrologic and rock cycles, and their influence on the composition, structure, and evolution of the earth. Geologic processes such as weathering, erosion, rock genesis, and deformation are emphasized. Geologic principles and processes are treated within the broader context of interactions between the atmosphere, hydrosphere, and solid earth. Voluntary field trips.

101-H, 102-H. Earth Processes. Continuous course; lectures three hours, discussion one hour, laboratory three hours; five credits each semester. MR. BICK.

An introduction to geology for students in the General Honors program. Primary aims of the course are an exploration of what science is, how the scientist thinks, and how scientific thought evolves. Fewer topics are covered in greater depth as compared to Geology 101, 102. The course satisfies distribution requirements.

201, 202. Earth Materials. Continuous course; lectures three hours, laboratory three hours; four credits each semester. Prerequisite or corequisite: Chemistry 101, 102 or Chemistry 111, or permission of the instructor. MR. CLEMENT.

Integrated subject matter of traditional crystallography, mineralogy, and petrology. First semester: fundamentals of crystal chemistry, structure, and symmetry; formation, composition, and behavior of silicate melts; mineral and rock genesis in the igneous environment. Second semester: physical and chemical processes of soil formation, aqueous precipitation, solid state reaction, and anatexis; mineral and rock genesis in sedimentary and metamorphic environments. The laboratory emphasizes techniques of hand specimen mineral and rock identification, offering an introduction to optical, DTA, and X-ray techniques. Field trips.

301. Sedimentation and Stratigraphy. First semester, alternate years; lectures three hours, laboratory three hours; four credits. Prerequisite: Geology 202. MR. JOHNSON.

The principles of formation, transport, and deposition of sediment and the interpretation of sedimentary rocks. Field trips.

302. Structural Geology. Second semester, alternate years; lectures three hours, laboratory three hours; four credits. Prerequisite: Physics 101. MR. GOODWIN.

Theoretical, experimental, and field study of deforming forces and their effects on earth materials. Field trips.

303. Historical Geology. First semester, alternate years; lec-

tures three hours; three credits. Prerequisite: Geology 102. MR. JOHNSON.

The origin and evolution of the earth, including the forms of life that have inhabited it, through geologic time. North America is emphasized. (Not offered in 1967-1968.)

304. Quantitative Geologic Models. Second semester, alternate years; lectures three hours; three credits. Prerequisite or corequisite: Mathematics 202. MR. BICK.

The probabilistic basis of geologic processes and its application to geologic hypotheses through quantitative testing of conceptual models. (Not offered in 1967-1968.)

401. Economic Geology of Nonmetals. First semester; lectures three hours; three credits. MR. GOODWIN.

The origin, distribution, production, and economics of fossil fuels and major industrial minerals and rocks. The relationship of nonmetallic resources to the national interest and economy and to various aspects of national and international politics is emphasized.

402. Economic Geology of the Metals. Second semester; lectures three hours; three credits. MR. CLEMENT.

The origin, distribution, production, and economics of the ores of major metals. The relationship of ores and metals to the national interest and economy and to various aspects of national and international politics is emphasized.

403. History of Geology. First semester, alternate years; lectures three hours; three credits. MR. BICK.

The development of modern geologic thought, emphasizing the conceptual contributions of geology to Western thought, such as those giving rise to conflict over the origin and age of the earth, rather than technical contributions.

404. Geology of the United States. Second semester, alternate years; lectures three hours; three credits. MR. JOHNSON.

Descriptive stratigraphy, structure, physiography, and economic geology of the United States. Two weekends will be devoted to field trips.

405. Optical Petrography. First semester, alternate years; lectures two hours, laboratory three hours; three credits. Prerequisite: Geology 202. MR. CLEMENT.

An introduction to the theory and use of the polarizing microscope. (Not offered in 1967-1968.)

406. Paleontology. Second semester, alternate years; lectures three hours, laboratory three hours; four credits. MR. JOHNSON.

The role of fossils in the study of organic evolution, ancient environments, and time relations of rock sequences. The laboratory stresses invertebrate morphology, quantitative measurement, and interpretation of local fossiliferous rock units. Field trips. (Not offered in 1967-1968.)

408. Geologic Field Methods. Second semester, alternate years; laboratory three hours; one credit. STAFF.

Description and sampling of sediments and rocks, and geologic mapping utilizing topographic maps, aerial photographs, and surveying instruments. (Not offered in 1967-1968.)

411, 412. Problems in Geology. Continuous course; lectures one hour (seminar); one credit each semester. Prerequisite: Senior standing. STAFF.

An exploration of geologic problems, either through a reading program and one class discussion each week or through a research project.

Government

ASSOCIATE PROFESSOR ROHERTY (*Head of the Department*). PROFESSOR MOSS. ASSOCIATE PROFESSORS EDWARDS, HAMILTON, and KIM. ASSISTANT PROFESSORS CURRY, HOUSE, TAYLOR¹ and WARD. INSTRUCTOR DORRANCE. LECTURER LEACH.

REQUIREMENTS FOR CONCENTRATION

The Government concentration consists of forty-two (42) credits of coherently related work selected by the student in consultation with his departmental advisor. Thirty-three (33) credits must be taken in the Department of Government. For concentrators Government 201, 202 (6 hours) is a prerequisite for all other Government courses except that students in the Sophomore Colloquia of the General Honors Program may, in some instances, obtain six (6) hours of distribution credit in Government. Each concentrator must do a minimum of three (3) hours of course work in each area of the Core Curriculum. At least three (3) hours of course work must be done at the 400 level. Concentrators are admitted to Honors in Government with the permission of the Department.

Nine (9) credits of related work is required. With the exception of History 201, 202 all related work must be at the 300 or 400 level and have the approval of one's advisor. It is recommended that concentrators carry their foreign language study beyond the minimum requirement for distribution. Concentrators who wish to undertake a three-year program towards the Master of Arts degree must have the approval of the Department of Government at the beginning of the Senior Year.

THE CORE CURRICULUM

303-304. Survey of Political Philosophy

311-312. Comparative Government

323-324. International Relations

371-372. American Politics

¹On leave of absence, 1966-67.

DESCRIPTION OF COURSES

201, 202. Introduction to Government and Politics. Continuous course; lectures two hours; discussion-section one hour; three credits each semester. STAFF.

In the first semester the student is introduced to the nature of political problems and the operation of political institutions. Chief attention is given to the politics of the United States. In the second semester concerns of political science such as the relevance of political theory, political ideologies, state systems, and international relations are studied.

201H, 202H. Introduction to Government and Politics. Continuous course; lectures and discussion three hours; three credits each semester. STAFF.

This is a special section of Government 201, 202 planned for the special needs of honors students.

303, 304. Survey of Political Philosophy. Continuous course; lectures three hours; three credits each semester. MR. ROBERTY.

The course is developed around two themes, the *classical tradition* and the *modern tradition* in political philosophy. In the first semester the political works of Plato and Aristotle are taken as the standards of the classical tradition. Selected works of medieval Christian writers are also included. Machiavelli and Hobbes define the *modern tradition* as this is taken up in the second semester. The works of Locke, Rousseau, and Burke complete the course.

311, 312. Comparative Government. Continuous course; lectures three hours; three credits each semester. MISS HAMILTON.

A comparative study of institutions and processes of government. Historical, cultural, social and economic factors will be given considerable attention. In the first semester, countries of western Europe will be considered with emphasis on England and France. In the second semester, selected governments of non-western nations will be analyzed.

314. Political Geography. Second semester; lectures three hours; three credits. STAFF.

A study of the nature of geographic factors and their influence in politics and international relations.

322. International Organization. Second semester; lectures three hours; three credits. MR. KIM.

A study of the development of the structures and procedures of international organization, and of the methods for pacific settlement of international disputes. Special attention will be given the League of Nations and the United Nations and the gains and failures of these organizations.

323, 324. International Relations. Continuous course; lectures three hours; three credits each semester. MR. KIM and MR. WARD.

The first semester offers an analysis of such problems of international politics as elements of power, nationalism, imperialism, national security, diplomacy and international law and organization. The second semester is concerned with those factors which have had an impact on American foreign policy since the Second World War, such as the Cold War, the emerging nations of Africa and Asia, and regional developments particularly with respect to Europe. Attention is also given to the process of policy formation.

334. The Soviet Union. First semester; lectures three hours; three credits. STAFF.

A study of the political and economic systems of the Soviet Union and an analysis of the historical roots of Russian political thought in relation to Marxism as interpreted by the Soviets. Attention will be given to Communism as a world movement.

336. The Far East. Second semester; lectures three hours; three credits. MR. KIM.

A survey of the national and international politics of China, Japan and Korea. After a preliminary view of Far Eastern politi-

cal and social traditions, this survey examines the manner in which these countries responded to the Western impact. Major attention will be given to the government and politics of Communist China and post-war Japan.

337. Africa. Second semester; lectures three hours; three credits. MR. KIM.

A study of selected newly independent nations of Africa south of the Sahara. Emphasis will be placed on phenomena such as the rise of nationalism, the development of African party and governmental systems, and the role of Africa in international politics.

351. Public Organization and Management. Second semester; lectures three hours; three credits. MR. HOUSE.

The course emphasis is twofold: (1) how government work is organized and performed and (2) how organization and management interacts with personnel development. Examination of the uniqueness of the governmental work setting and the role of the professional public service in the political system. Analysis of various organization and management theories and practices. Case studies of government administration in action.

353. The Politics of States and Localities. First semester; lectures three hours; three credits. MR. HOUSE.

The course emphasis is on both the policy process and the services of state and local governments. Policy Process Topics: Environmental, Legal and Intergovernmental Frameworks of Policy; Policymaking Centers and Leadership Patterns; Alternative Forms of State and Local Governments. Services Topics: Natural Resources; Transportation Policy Problems; Health and Education; Politics and the Poor; Crisis in Law Enforcement; Public Planning and Private Enterprise; Cities of the Future.

371, 372. American Politics. Continuous course; lectures three hours; three credits each semester. MR. CURRY and MR. EDWARDS.

The political process at the national level, including such topics as organization and recruitment, governmental decision-making,

relationships among departments, and political parties and leadership. The first semester is concerned with the executive and legislative branches; the Supreme Court is considered in the second semester.

373. American Civil Liberties. First semester; lectures three hours; three credits. MR. CURRY.

This course is an intensive study of the rights of Americans as guaranteed by the Constitution. The changing character of civil liberties problems in the United States will be stressed with attention given to the legal, historical and political context of the cases studied. Class discussion and reports will be emphasized.

401, 402. American Political Thought. Continuous course; lectures three hours; three credits each semester. MISS DORRANCE.

This course consists of a survey of American political thought from colonial times to the present. In the first semester, emphasis will be placed upon readings and discussion of such figures as Madison, Jefferson, Tocqueville and Lincoln. Class discussions will be relied upon to elicit from such writings some of the underlying theoretical problems of the American political tradition.

403. The Political Theory of National Security. Second semester; seminar two hours; conference one hour; three credits. MR. ROHERTY.

This course is an appraisal of such problems as aggression, "just war," the use of nuclear weapons, ideological and psychological conflict, and the role of the military in national policy. The effort is made through studies of these problems to develop a body of theory around the theme of national security.

406. Political Parties. Second semester; lectures three hours; three credits. MR. MOSS.

An analysis of the nature, sources, and organization of political power, and of the factors governing its conquest and surrender. The course deals chiefly with American politics but makes comparisons with politics of other countries. Special attention is given the problem of analyzing and reporting political situations.

Government 408. The Politics of the South. First semester; lectures three hours; three credits. MR. MOSS.

This course is a study of political transition in the South. The nature and variety of traditional Southern politics will be discussed and the impact of the forces of change will be analyzed.

410. British Government and Politics. First semester; lectures three hours; three credits. MR. MOSS.

A study of political institutions and political behavior in the United Kingdom and Eire. Special attention is given comparisons with the United States and the parliamentary democracies of the Commonwealth.

411. Problems in Comparative Politics. First semester; two hours seminar, one hour consultation; three credits. Prerequisite: Consent of the instructor. MISS HAMILTON.

A study of selected problems of comparative politics with emphasis on France.

413, 414. Studies in Political Thought. Any semester; seminar two hours, consultation one hour; three credits each semester. MR. MOSS and MR. ROHERTY.

A study of the work and significance of a particular great political theorist such as Hobbes, Locke, Rousseau, Burke, or Mill, or of a major movement such as Utilitarian Reformism, English Idealism, or Marxism. The theorist or movement will be chosen by the instructor for the semester. Provided the student does not repeat the study of any particular theorist or movement he may earn not more than six hours credit in this course.

***417, 418. Seminar in Contemporary Political Theory and Institutions.** Continuous course; seminar three hours; three credits each semester. MR. MOSS.

A study of some aspects of contemporary thought and institutional developments. Original essays will be written by each student and discussed by the class.

424. International Law. Second semester; lectures three hours; three credits. STAFF.

A survey of the general principles and theories of international law, coupled with case studies. Emphasis is given to the practice of international law by the major powers as well as to the new problems of international law which have arisen as a result of recent war. The position of war in international law is also dealt with. The completion of sixty semester credits is a prerequisite for students in this course.

431, 432. Comparative Political Systems. Continuous course; lectures three hours; three credits each semester. Prerequisite: Government 311, 312 or consent of the instructor. MR. TAYLOR.

A comparative approach to the study of politics. Organization of the course centers around political phenomena and problems rather than countries. Such questions as these are asked: What are political systems? What do they do? What is the role of leadership in various kinds of systems? In what ways are demands articulated? How are decisions made? Answers are sought in the experience of modernized, transitional and traditional countries.

452. The Administrative Process. Second semester; lectures three hours; three credits. STAFF.

A study of decision-making in modern bureaucracy with primary emphasis on United States practice. The functions and dysfunctions of large public service organizations will be dealt with.

454. City Politics and Planning. Second semester; lectures three hours; three credits. Prerequisite: Government 353 or consent of the instructor. MR. HOUSE.

An opportunity for a significant, creative project of the student's choice. Course focus is on forces shaping the political policies of urban regions, with particular reference to the inter-relationship of public planning with city development, private enterprise, and private initiative. Discussion of current city political problems and proximate solutions, such as: psychology and sociology of the city; nature and optimum level of public services and regulations; leadership, and financial capability of urban governments; effect of urban politics on the people.

465. Public Opinion and Voting Behavior. Second semester; lectures three hours; three credits. MR. EDWARDS.

The relationship between opinions and political policymaking, including the characteristics of political opinions, patterns of voting behavior, and the importance of leadership.

HONORS STUDY

395, 396. Junior Honors. Continuous course; hours to be arranged; three credits each semester. STAFF.

A program of independent reading. Students will be responsible for occasional discussion-papers.

495, 496. Senior Honors. Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Senior Honors in Government will be responsible for (a) reading and discussion of selected materials; (b) satisfactory completion by May 1 of an original scholarly essay; (c) satisfactory performance in a comprehensive examination in the field of the student's major interest.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

An applicant must have completed the requirements for a Bachelor's degree in an institution of approved standing. An undergraduate concentration in political science is desirable; however, applicants in other fields of concentration may apply.

Admission to the program will be with the approval of the Department of Government and the Council on Graduate Studies of the College of William and Mary. An applicant may be required to make up certain deficiencies as determined by the Department of Government.

The Graduate Record Examination will be required of all applicants.

A designated advisor will work with each candidate in the planning of his program and the supervision of his thesis. The

Program must have the approval of the Head of the Department of Government.

The candidate must complete satisfactorily 24 hours of course work, one-half of which must be at the 500 level. (No credit will be given for a grade below B.) Two semesters of residence in the College of William and Mary are required for the degree of Master of Arts. (Nine semester hours is the minimum residence requirement for a full-time graduate student.)

After satisfactory completion of the first semester of work the advisor will make a formal recommendation of candidacy to the Head of the Department for his approval. The candidate must then present his Thesis Title for the approval of the Head of the Department.

The candidate must write a thesis and offer a satisfactory Oral Defense. The Defense of the Thesis will be part of a Comprehensive Oral Examination.

The candidate may not present himself for Oral Examination until he has passed an examination in a foreign language appropriate to his plan of study. The Department of Government will arrange such examination with the Department of Ancient Languages or the Department of Modern Languages.

In the case of each formal candidate the Head of the Department, at the beginning of the second semester of work, will appoint a Candidate Committee. The Candidate Committee will consist of three department members, and in each instance will include the candidate's advisor, who will act as Chairman. This committee will read the candidate's Thesis, prepare and administer the Oral Examination, and make recommendations concerning the candidate's performance to the Head of the Department. All departmental action with respect to a candidate must be consistent with the recommendations of a majority of his committee.

All requirements for the degree must be completed within six calendar years.

GRADUATE INTERN PROGRAM

The Department of Government conducts a program of intern-

ships in politics in conjunction with the Master of Arts Degree program. Candidates for the Master of Arts Degree in Government whose academic and career interests are directed towards national or local government and political parties are invited to apply for internships.

GRADUATE COURSES

The Department of Government will offer the following graduate courses:

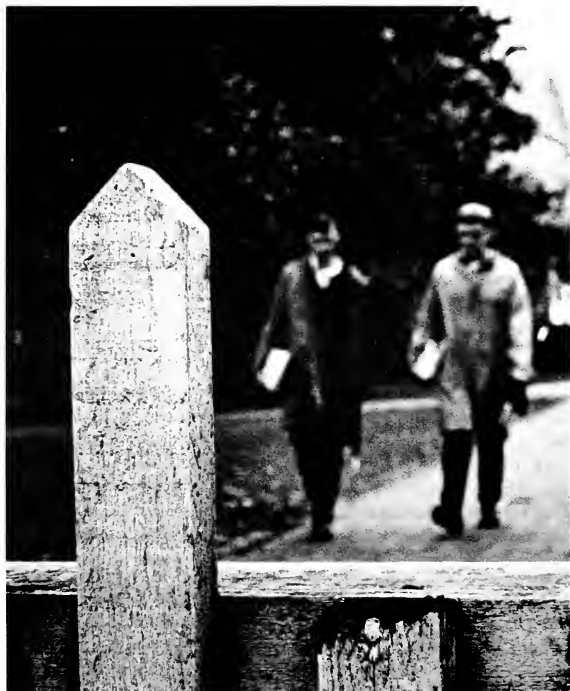
- 501. General Colloquium in Political Science (3), STAFF.
- 503. Seminar in Political Philosophy (3), MOSS, ROHERTY.
- 505. Seminar in Comparative Politics (3), HAMILTON, TAYLOR.
- 507. Seminar in International Politics (3), KIM, WARD.
- 509. Seminar in American Politics (3), CURRY, EDWARDS.
- 511. Readings in Political Science (3), STAFF.
- 560. Thesis (6), STAFF.

Government 501. The General Colloquium in Political Science will deal with basic problems in the discipline including the identification of significant substantive questions of political science, methods of investigation and research, and the dichotomy of theory and practice. Each candidate must include Government 501 in his program.

Government 560. (Thesis) requires that each candidate select a meaningful question or problem within the discipline for independent investigation and development. The Master's thesis must exhibit the requisite writing skill and full documentation that are essential aspects of scholarship. However, the qualities of creative initiative and independence of judgment are understood as primary.

The candidate will complete his 500 level requirement (or 9 additional hours) by selecting from among the following: Government 503, 505, 507, 509, and 511. When these courses are offered the specific topics to be considered will be announced in advance by the instructor. Ordinarily the candidate will participate in two seminars—one in the field of his thesis, and Government 511.

The remaining 12 hours of course work will be selected from the undergraduate offerings of the Department of Government. Each candidate in conjunction with his advisor will develop a program of course work most suited to the interests of the candidate and consistent with overall demands on the department. Up to six hours of work may be taken outside of the department subject to the approval of the advisor. All upper division work is available for graduate credit at the discretion of the department.



History

PROFESSORS JOHNSON (*Head of the Department*), BEYER, FOWLER, and McCULLY. ASSOCIATE PROFESSORS BRENT, DONALDSON, SELBY, SHERMAN,¹ and TATE. ASSISTANT PROFESSORS BELL, ESLER, FUNIGIELLO,² McCORD, McARTHUR,² ORLOW,¹ SHEEHAN, SHEWMAKER, TURBOW, and WEBB. LECTURERS CAPPON, CARSON, KURTZ, REESE, and RILEY.

REQUIREMENTS FOR CONCENTRATION

Concentration in History requires 30 semester credits in history, including History 101, 102, 201, and 202, taught by regular members of the department or by lecturers from the Institute of Early American History and Culture.

French and German are recommended for students planning to concentrate in history.

DESCRIPTION OF COURSES

EUROPEAN HISTORY

101, 102. History of Europe. Continuous course; lectures three hours; three credits each semester. MR. McARTHUR, assisted by MR. BEYER, MR. BRENT, MR. McCORD, MR. McCULLY, and MR. TURBOW.

A general introduction to the history of Europe from the end of the Roman Empire to the present time. The first semester goes to 1715; the second, from 1715 to the present day.

101-H, 102-H. History of Europe. Freshman honors continuous course; lectures and discussion, three hours; three credits each semester. MR. ESLER.

A general introduction to the history of Europe for students enrolled in the honors program. The first semester examines classical and medieval influences on the modern world, and

¹On leave of absence, 1966-67.

²Visiting Assistant Professor, 1966-67.

traces the development of modern civilization through the Renaissance and Reformation. The second semester will cover the period from the seventeenth century to the present. The course will seek particularly to develop understanding of the historical process and historical imagination.

301, 302. The Ancient World. Continuous course; lectures three hours; three credits each semester. MR. RYAN.¹

Ancient civilization from prehistoric times to the downfall of the Roman Empire. The first semester deals with the ancient Orient and Greece, up to B.C. 338; the second semester deals with Alexander, the Hellenistic World, and Rome. (Same as Greek 311-Latin 312. The course cannot be counted for concentration in history.)

407, 408. Europe and the French Predominance in the Seventeenth and Eighteenth Centuries. Continuous course; lectures three hours; three credits each semester. MR. McCULLY.

After an examination of sixteenth century Europe, the course traces the political and cultural development of France and its expansion overseas from the Renaissance to the Age of Enlightenment. (Not offered 1966-1967).

409, 410. England Under the Tudors and Stuarts. Continuous course; lectures three hours; three credits each semester. Prerequisites: History 101, 102. MR. FOWLER.

The first semester, 1485-1603; the second semester, 1603-1714.

412. Constitutional History of Modern England. Second semester; lectures three hours; three credits. MR. McCULLY.

A survey of English constitutional development from the end of the Middle Ages to the present. The course stresses the Tudor strong monarchy, the conflict of Crown and Parliament under the Stuarts, the Revolution of 1688 and the establishment of the limited monarchy, the rise of cabinet government, the growth of democracy, and the development of the civil service. (See Marshall-Wythe School of Law.)

¹Professor of Ancient Languages.

413, 414. The Making of Modern England. Continuous course; lectures three hours; three credits each semester. MR. MCCORD.

Beginning near the end of the American war (circa 1780) with an analysis of the Old Order, the course traces the gradual transformation of English society into an industrial democracy and welfare state. Emphasis will be placed on the interrelation of the changing economic, social, and political structures. Selected literature of the period, including novels, religious writings, and political thought, will form a large part of the required readings.

415, 416. Renaissance and Reformation. Continuous course; lectures three hours; three credits each semester. Prerequisites: History 101, 102. MR. ESLER.

This course in the cultural history of Europe from the fourteenth through the seventeenth centuries will seek to probe the origins of the modern Western mind. Sympathetic attention will be given to artistic and ethical values; to religious, philosophical, and scientific world views; and to exploration, war, politics, and socio-economic circumstance.

417, 418. The British Empire. Continuous course; lectures three hours; three credits each semester. MR. MCCULLY.

First semester, the formation and development of the old Colonial Empire through the American Revolution. Second semester, the rise of the new Empire through the nineteenth and twentieth centuries to the establishment of the British Commonwealth of Nations.

419, 420. Contemporary Europe. Continuous course; lectures three hours; three credits each semester. Prerequisite: History 102. MR. ORLOW.

First semester, 1900-1933, the background of World War I, the course of the war, the Russian Revolution and the establishment of the Bolshevik regime, and the rise of the radical right in western and central Europe. Second semester, 1933-present, the failure of appeasement, World War II and the inter-Allied con-

ferences, and the emergence of the Western European Union. (Not offered 1966-1967.)

427, 428. Europe, 1815-1914. Continuous course; lectures three hours; three credits each semester. Prerequisites: History 101, 102. MR. ESLEER.

Emphasis on the political and intellectual history of western and eastern Europe.

431, 432. Russia and the Soviet Union. Continuous course; lectures three hours; three credits each semester. Prerequisites: History 101, 102. MR. McARTHUR.

The political, economic and intellectual development of Russia in the nineteenth and twentieth centuries.

433, 434. Modern Germany. Continuous course; lectures three hours; three credits each semester. Prerequisite: History 102.

First semester, 1786-1871, after a brief review of Prussia's rise to great power status, stresses the impact of the French Revolution on Germany, and the road to German unification. Second semester, 1871-1945, the rise and fall of the German Empire, the republican interlude, and the rise and fall of the Third Reich. (Not offered in 1966-1967.)

435, 436. Modern France. Continuous course; lectures three hours; three credits each semester. MR. TURBOW.

First semester, 1851-1871. The Restoration, July Monarchy, Second Republic, Second Empire. Special emphasis will be placed on social history: the interconnection of politics, art, and the emergence of new social forces. Second semester, 1871-1965. The Third Republic, Vichy, Fourth Republic, de Gaulle. The emergence of modern France, with special attention to the bourgeoisie and its revolution in arts and morals. (Not offered 1966-1967.)

437, 438. History of France during the Age of the Enlightenment, the Revolution, and Napoleon. Continuous course; lectures three hours; three credits each semester. MR. TURBOW.

The first semester provides a close examination of social, intellectual, and political affairs from 1715 to 1789. The second semester offers a detailed study of the Revolution in the context of the age, the post-Revolutionary settlement, and the French conquest of Europe.

AMERICAN HISTORY

201, 202. American History. Continuous course; lectures three hours; three credits each semester. MR. BELL, MR. BRENT, MR. FUNIGIELLO, MR. JOHNSON, MR. KURTZ and MR. SHEWMAKER.

The development of the United States. Special emphasis is placed on the period since 1776.

***201-H, 202-H. American History.** Sophomore honors course; lectures and discussion three hours; three credits each semester. MR. TATE.

Designed to give the student insight into problems of interpretation and methodology, and to acquaint him with the literature of American history.

208. Religion in America. Second semester; lectures three hours; three credits; prerequisite: sophomore standing. MR. HOLMES.¹

An intellectual and institutional history of Judaism and Christianity in America, from the Roman Catholic missions to the present. (The course cannot be counted for concentration in history.)

***401, 402. Topics in Modern History.** First and second semester; hours to be arranged; three credits. STAFF.

A tutorial course which offers the student an opportunity for supervised but independent study and research. Its primary purpose will be to introduce the student to the resources of the library and to give him practice in the presentation of historical material in both written and spoken form.

¹Professor of English.

403. Virginia, the Colony. First semester; lectures three hours; three credits. Prerequisite: History 201. MR. TATE.

Colonial Virginia will be studied with an eye to the emergence and shaping of political, economic, and social institutions in the context of Colonial America. (Not offered 1966-67).

405, 406. Early American History. Continuous course; lectures three hours; three credits each semester. MR. SELBY.

The Colonial Period, Revolution and Confederation, the Federalist and Jeffersonian Eras. Special stress is laid on the ideas and institutions which developed in British North America and which, in the course of the struggle for independence and the formation of the union of states, emerged as a distinctive national culture. The course divides at the year 1763.

421, 422. The United States, 1815-1877. Continuous course; lectures three hours; three credits each semester. MR. JOHNSON.

An intensive survey of the origins, development, and outcome of the struggle between the North and South.

423, 424. The United States Since 1877. Continuous course; lectures three hours; three credits each semester. MR. FUNIGIELLO.

The emergence of the United States as an industrial and world power.

425, 426. American Intellectual History. Continuous course; lectures three hours; three credits each semester. MR. BRENT.

A study of the relation between ideas and events from Colonial times through the present. Included are investigations of philosophical, religious, political, and economic ideas as they relate to the Reformation, the Enlightenment, Transcendentalism, Slavery, Darwinism, Pragmatism, and other categories. A familiarity with philosophy is strongly recommended.

439, 440. Survey of Latin American History. Continuous course; lectures three hours; three credits each semester. MR. BELL.

With a preliminary view of major Indian cultures and Old World foundations, the first semester deals with the political, economic, social and cultural aspects of Latin American life through the wars of independence. The second semester surveys historical patterns and problems in the various republics, especially the major countries, with emphasis on social revolutions in the present century.

441. The Caribbean. First semester; lectures three hours; three credits. MR. BEYER.

Deals particularly with the Spanish, English, and French West Indies. A sequential treatment of the eras of exploration and colonization; plantation prosperity and international rivalry; post emancipation problems; and incipient nationalism.

442. Brazil. Second semester; lectures three hours; three credits. MR. BEYER.

Antecedents of modern Brazil, 1500-present, with accent on economic, social, and cultural factors as well as on political growth in the Portuguese colony, the Empire, and the Republic.

443, 444. History of American Foreign Policy. Continuous course; lectures three hours; three credits each semester. MR. SHEWMAKER.

This course is concerned with the formulation and development of American foreign policy from 1775 to the present. The emphasis is on the domestic and international forces which have shaped the evolution of American foreign policy. Special attention is given to the problem involved in the planning and execution of foreign policy. First semester: 1775 to 1899. Second Semester: 1899 to present.

***452. Philosophy of History.** Second semester; seminar, three hours; three credits. MR. BRENT and MR. LEACH.¹

An investigation of philosophic theories concerning the nature of historical understanding. Consideration will be given to theories of historical development, the nature of historical change, ex-

¹Assistant Professor of Philosophy.

planation, causation, and objectivity. Special emphasis will be placed upon the methodological significance of chronicling, describing, explaining, and predicting.

HONORS STUDY

***495, 496. Honors.** Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Honors Study in History will be enrolled in this course during both semesters of their senior year. Each candidate will be responsible for (a) reading and discussion of a selected list of books in some specific area of historical literature, (b) a scholarly essay by May 1, (c) a comprehensive oral examination.

GRADUATE PROGRAM

Admission Policy. Each applicant for admission to the graduate program in history must file a completed application form, and provide official transcripts of his academic record for all work done at the college or university level, his scores for both the aptitude and advanced history Graduate Record Examinations, and letters of recommendation from three of his college instructors. Applications must be complete by February 15 each year.

Minimum requirements for admission include an undergraduate degree from an accredited institution, an over-all academic average of 2.0 on a 3.0 scale, and the completion of 18 semester hours of work in history and of 12 semester hours or the equivalent in French, German, Russian or Spanish. Additional hours in history and in a second language are very desirable.

Admission to the program will be made by the Graduate Council upon the recommendation of the head of the History Department. Each student admitted will be automatically considered for an award of a scholarship or assistantship unless he does not require financial assistance.

REQUIREMENTS
FOR DEGREES OF MASTER OF ARTS
AND
DOCTOR OF PHILOSOPHY IN HISTORY

Master of Arts. Candidates for the degree must be in residence for at least two semesters and, in addition to History 560 (Thesis), must obtain 24 semester credits in courses above the 300 level with a grade of B or better in each course, including 501, 502, 503, and one additional 500 course. Candidates must demonstrate a reading knowledge of one foreign language (French, German, Russian, or Spanish), prepare a thesis, and pass an oral comprehensive examination. Graduate students enrolled in advanced courses open to undergraduates shall be required to do additional work on the graduate level. Each graduate student shall have a faculty supervisor who will be primarily responsible for the student's choice of a thesis subject and for advising him regarding research and writing problems encountered in preparing the thesis. All thesis subjects must be approved by the head of the Department.

The records of graduate students will be reviewed by the Department at the end of the first semester of residence to determine final acceptance as candidates for the degree of Master of Arts.

Combined Master of Arts Degree and Apprenticeship Program. The History Department at the College of William and Mary also offers a combined program of academic study for the degree of Master of Arts in American History and practical training in historical administration, in cooperation with the Institute of Early American History and Culture, and Colonial Williamsburg, Incorporated. The three fields in which apprenticeship training is available are: Editing Historical Books and Magazines (Institute of Early American History and Culture); Operations of an Historical Library (The College Library and the Library of Colonial Williamsburg, Incorporated); and the Interpretation of Historical Sites (Colonial Williamsburg, Incorporated). The program runs from June through August of the succeeding year.

Doctor of Philosophy. At least two years of resident graduate

study, the last full year of which must be at William and Mary, are required for the Doctor of Philosophy degree. Candidates must complete the course requirements for the Master of Arts degree, or have fulfilled similar requirements at an equivalent institution, and in addition must obtain at least 18 semester credits in courses above the 300 level with a grade of B or better in each course, including history 551 and 552, during their second year. By the end of the fifth semester of graduate study they must take oral and written examinations in three fields of history, one of which must be European and one Early American history or the history of the United States. The fields from which candidates may choose are: England, 1485 to the present; Europe, 1500-1789; Europe, 1789 to the present; American history to 1815; the United States, 1815 to the present; and Latin America. Course work also may be required in cognate fields.

The student must write a dissertation which is based upon original research and which makes a contribution to historical knowledge. The dissertation must have been read and approved prior to April 1 in any given year in order to receive the degree the following June. The student must present an oral defense of his dissertation before the faculty.

At present dissertation fields are limited to British and American history. All dissertation subjects must be approved by the head of the Department.

In addition to the above requirements, the student must demonstrate a reading knowledge of two of the following languages: French, German, Russian, and Spanish. The language requirement must be satisfied before the comprehensive examinations are taken.

All requirements for the degree must be completed within seven years from the time of admission to graduate work.

GRADUATE COURSES

***501, 502. The Literature of American History.** Continuous course; three credits each semester. **STAFF.**

***503. Historical Method.** First semester; three credits. **MR. CAPPON.**

***505, 506. Readings in Early American History.** Continuous course; three credits each semester. STAFF.

***507, 508. Readings in French History from the Renaissance to the Age of Enlightenment.** Continuous course; three credits each semester. MR. McCULLY.

***509, 510. Readings in English History during the Tudor and Stuart Period.** Continuous course; three credits each semester. MR. FOWLER.

***512. Readings in the Constitutional History of Modern England.** Either semester; three credits. MR. McCULLY.

***515, 516. Readings in the Renaissance and the Reformation.** Continuous course; three credits each semester. MR. ESLER.

***517, 518. Readings in the History of the British Empire.** Continuous course; three credits each semester. MR. McCULLY.

***519, 520. Readings in Contemporary European History.** Continuous course; three credits each semester. MR. ORLOW.

***521, 522. Readings in Nineteenth Century United States History.** Continuous course; three credits each semester. MR. JOHNSON.

***523, 524. Readings in the Recent History of the United States.** Continuous course; three credits each semester. MR. SHERMAN.

***525, 526. Readings in American Intellectual History.** Continuous course; three credits. MR. BRENT.

***527, 528. Readings in Nineteenth Century European History.** Continuous course; three credits each semester. MR. ESLER.

***533, 534. Readings in the History of Modern Germany.** Continuous course; three credits each semester. MR. ORLOW.

*535, 536. **Readings in Modern French History.** Continuous course; three credits each semester. MR. TURBOW.

*537, 538. **Readings in the Age of the French Revolution and Napoleon.** Continuous course; three credits each semester. MR. TURBOW.

*541, 542. **Readings in the History of the Caribbean Countries and Brazil.** Continuous course; three credits each semester. MR. BEYER.

*543, 544. **Readings in American Foreign Policy.** Continuous course; three credits each semester. MR. SHEWMAKER.

*551, 552. **Research Seminar in American History.** Continuous course, three credits each semester. STAFF.

*560. **Thesis.** Hours to be arranged. STAFF.



The Swem Memorial Library

Home Economics

ASSOCIATE PROFESSOR WILKIN (*Head of the Department*). ASSISTANT PROFESSOR T. MILLER.

The purpose of the Home Economics Department is to offer courses in homemaking that will be useful to the student in her own home. At the same time these courses are planned to relate to and supplement instruction which the student receives in many of the courses given in arts and history.

201. Home Living. Either semester; lectures three hours; three credits. MRS. MILLER.

This is an introductory course in which the significance of foods and nutrition, textiles and clothing, art in the home, organization of the activities of the home, and consumer education is presented. Historic and contemporary patterns of home living are studied.

209. Foods: Principles of Preparation. First semester; lecture one hour, laboratory four hours; three credits. MRS. MILLER.

A study is made of the fundamental scientific principles of food preparation and conservation of nutritive values. Aesthetic factors in family meals are presented.

210. Foods: Meal Planning and Dining Customs. Either semester; lecture one hour, laboratory four hours; three credits. MRS. MILLER.

This course includes the serving of family meals and special meals, menu planning at different levels of cost, marketing, organizing and preparation. Attention is given to the cultural and social values in family dining.

301. Nutrition and Physical Fitness. Second semester; lectures three hours; three credits. MRS. MILLER.

Basic nutritional knowledge applicable to achieving optimal health is stressed. Malnutrition in the United States and the world, and national and international activities for improving the nutrition of entire populations are studied.

307. Clothing Construction. Either semester; laboratory six hours; three credits. MISS WILKIN.

The chief objectives of this course are the development of standards by which to achieve satisfactory results in clothing design and construction, the selection of fabrics and style, and the use of modern tools, new processes and new equipment.

308. Special Problems in Clothing Construction. Either semester; laboratory six hours; three credits. MISS WILKIN.

A knowledge of basic procedures in sewing is required. Fundamentals of pattern making will be studied. Individual problems will be selected on consultation with the instructor. Tailored coats and suits, dress designs involving intricate work, including hand sewing and hand decoration or other special problems may be chosen.

309. Textiles. First semester; lectures three hours; three credits. MISS WILKIN.

The place of textiles in the domestic, industrial and commercial world is stressed. Natural and man-made fibers are studied as to characteristics, limitations, and care of each. The construction, decoration, finishes, and the probable durability of each are evaluated.

310. Textile Design and Decoration. Second semester; lectures two hours, laboratory two hours; three credits. MISS WILKIN.

Notable historic textiles of Ancient Oriental and Persian as well as Italian, French, and English Renaissance designs are studied noting their artistic quality, the symbolic art forms, and the influence of these on contemporary textile decoration. Museum prints and plates, as well as collections of Colonial Williamsburg and other historic shrines are used as illustrative material.

425. Home Furnishing and Decoration: America. Second semester; lectures three hours; three credits. MISS WILKIN.

A study is made of American homes and their prototypes in England and Europe. Authentic features in exterior and interior

design, furnishings and accessories for such periods as Early American, Georgian, Victorian, and Contemporary are stressed.

326. Home Furnishing and Decoration: Historic. First semester; lectures three hours; three credits. MISS WILKIN.

A study is made of style, decoration, furnishings and artistic merits of homes from ancient Egypt to the present. The study follows the development of culture and reveals the life of the people.

327. Historic Costume. First semester; lectures three hours; three credits. MISS WILKIN.

A study is made of dress as it parallels the development of civilization and reflects social, religious, political and economic conditions. Today's styles are studied for parallels with those of the past.

329. Home Management. Either semester; lectures three hours; three credits. MRS. MILLER.

A study is made of organizing the household and planning the daily activities to conserve material and human resources and to provide a satisfying background for pleasant family living.

431. Consumer Education. Either semester; lectures three hours; three credits. MRS. MILLER.

The position of the consumer as a buyer in the contemporary economic order is studied. Standards, grades, labels, budgeting, owning versus buying a home, aids from Federal bureaus and certifying agencies are discussed. Family financial problems throughout the entire life cycle are stressed.

Honors¹

PROFESSOR BEYER, *Director*

Students in the general honors program enroll each semester during their freshman and sophomore years in one colloquium and in one or more introductory departmental honors course.

¹For further information on general honors and on departmental honors, see pages 93 and 106 respectively. Descriptions of the colloquia are available on request from the Office of the Director of Honors.

Honors 101 and each of the subsequent colloquium offerings consists of three or more classes each of which is centered on a separate theme of interdisciplinary character. The themes of the individual classes change from semester to semester, but they all fall within the framework of a unifying subject. Thus, the general theme of the freshman honors colloquia, 1966-67, was "The Nature of Man and the Varieties of Human Experience", and the subordinate themes treated in separate classes were "Individual Freedom and Social Order," "Knowledge and Meaning," and "Tragic Experience." Sophomore Colloquia differ from Freshman Colloquia in that they require a greater amount of independent work. Faculty are drawn from the College as a whole.

Departments offering honors courses on an introductory level (101H-102H or 201H-202H or both) are Economics, English, Fine Arts, Geology, Government, History, Psychology, Physics and Sociology.

Although most students in the program are admitted as entering freshmen, the opportunity exists for other freshmen and sophomores to be admitted at a later date on the basis of performance in college, interest, and faculty recommendations. Continuation in the general honors program is conditioned upon the student's intellectual vitality, interest, and on whether he is performing with distinction in his studies as a whole. A student, who so desires, may withdraw from the program at the end of any semester without penalty.

101A, 101B, 101C	Colloquia on special themes; first semester; three credits. By invitation only.
102A, 102B, 102C	Colloquia; second semester; three credits. By invitation only.
201A, 201B, 201C, 201D	Colloquia; first semester; three credits. By invitation only.
202A, 202B, 202C, 202D	Colloquia; second semester; three credits. By invitation only.

Humanities

PROFESSOR EVANS.

201, 202. Literature. Continuous course; lectures three hours; three credits each semester.

An introduction to the interpretation and evaluation of major works of literature, in English. About ten works are studied, including portions of the Bible, a classical epic, several Greek and Shakespearean dramas, and representative novels, plays and poems of various ages and cultures.



The President's House

Marshall-Wythe School of Law¹

PROFESSORS CURTIS (*Dean of the School of Law*), WHYTE (*Assistant Dean of the School of Law*), PHELPS,² ATKESON, SWINDLER, FARIS and LASOK.³ ASSOCIATE PROFESSOR FISCHER. ASSISTANT PROFESSORS STASON and DONALDSON. LECTURERS ANDERSON and ATKINSON.

PARTICIPATING FACULTY FROM OTHER DEPARTMENTS:

ASSOCIATE PROFESSORS REECE (*Business Administration*), and SCHIFRIN (*Economics*).

HISTORY

The School of Law was originally established December 4, 1779, when, by resolution, the Board of Visitors created a professorship of Law and Police. Antedated by the Vinerian professorship at Oxford, established twenty-one years earlier and held by Sir William Blackstone, and perhaps by the chair at Trinity College, Dublin, the chair of law at the College of William and Mary thus became one of the earliest in the English-speaking world and the oldest in the United States.

The part played by Thomas Jefferson in placing laws among the subjects taught at his *Alma Mater* is told briefly in his *Autobiography*.⁴

On the 1st of June, 1779, I was appointed (elected) Governor of the Commonwealth and retired from the legislature. Being elected also one of the Visitors of Wm. & Mary College, a self-electing body, I effected during my residence in Williamsburg that year, a change in the organization of that institution by abolishing the Grammar School, and the two professorships of Divinity & Oriental languages, and substituting a professorship of Law & Police, one of Anatomy, Medicine and Chemistry, and one of Modern Languages; and the charter

¹See also Marshall-Wythe School of Law Bulletin, 1966-67.

²On leave of absence, 1966-67.

³Visiting Professor, 1966-67.

⁴Ford's edition, I, 69-70.

confining us to six professorships, we added the law of Nature & Nations, & the Fine Arts to the Duties of the Moral professor, and Natural history to those of the professor of Mathematics and Natural philosophy.

The Board of Visitors elected as the first law professor George Wythe in whose office Jefferson had studied. A signer of the Declaration of Independence and styled by Jefferson the American Aristides, Wythe was a judge of the Virginia High Court of Chancery and one of the earliest judges to enunciate the doctrine of judicial review.

The elevation of Wythe to the sole chancellorship of Virginia, ten years after the chair of law was established, necessitated his removal to Richmond and his resignation from the faculty. He was succeeded by St. George Tucker, whose edition of Blackstone is a legal classic and one of the first law books published in America. Among the last to hold the professorship at Williamsburg prior to 1861 was Lucian Minor, a member of another Virginia family intimately associated with the law.

Soon after its foundation, and probably from the very beginning, the law school of the College of William and Mary demanded an academic baccalaureate degree as a requirement for a law degree, the College statutes compiled in 1792 providing:

For the degree of Bachelor of Law, the student must have the requisites for Bachelor of Arts; he must moreover be well acquainted with Civil History, both Ancient and Modern and particularly with Municipal law and police.

In May, 1861, with the closing of the College, because of the exigencies of war, the law school ceased to function. When the College resumed operation, financial stringency resulted in the granting of leaves of absences to some of the faculty. Among these was the professor of Law. This leave of absence continued indefinitely. During the precarious years in the life of the institution following the Civil War the Law School remained largely dormant. Its revival, begun in 1920, was completed with the session of 1922-23.

The School of Law is registered by the State Department of Education of the University of the State of New York, is approved by the American Bar Association, and is a member of the Association of American Law Schools.

LIBRARY

The Library of the Marshall-Wythe School of Law contains 45,000 volumes, and includes the National Reporter System, the American Digest System, all the Reports of the Supreme Court of Appeals of Virginia, all the United States Supreme Courts Reports, and up-to-date statutes for all of the states. Also available are legal periodicals, session laws, state and municipal codes, digests, general and legal dictionaries and encyclopedias, texts, citators, and reports of many courts of last resort. The Law Library is administered by the Law Librarian, and during the regular session is open a total of 100 hours per week.

WILLIAM AND MARY LAW REVIEW

The *William and Mary Law Review* is published semi-annually by the students of the School of Law with the cooperation of the faculty. Its primary objective is to provide an opportunity for student legal composition. The editor each year is a student selected by the faculty, and he is aided by an editorial board. The editor in 1966-67 is Cecil Jerry Franklin.

PRE-LEGAL STUDIES

While no specific academic subjects, apart from the general requirements for the baccalaureate degree, are required for admission to the School of Law, students who expect to proceed to the law degree are urged to complete the general degree requirements before commencing the work in Law. It is recommended that such students consult with the pre-legal adviser of the School as early in their college careers as possible regarding the scope and distribution of their academic work.

ADVANCED CREDIT

With the discretion of the faculty of the School, credit may be allowed for subjects satisfactorily completed at approved law schools, not to exceed the equivalent of 60 semester credits.

EXCLUSION BECAUSE OF POOR SCHOLARSHIP

Any student who has been admitted to candidacy for the degree of Bachelor of Civil Law and who does not maintain a quality point average of at least 1.0, or who fails more than five hours in any semester will be permitted to continue his course only with the consent of the faculty of the School.

DEGREE REQUIREMENTS

THE BACHELOR OF ARTS DEGREE—SIX YEARS COMBINED COURSE

Students who have completed three years of pre-legal work will be awarded the Bachelor of Arts degree on the satisfactory completion of the first year's work in law. The first two years of such pre-legal work may be done in any accredited college or university provided that the requirements of the College of William and Mary as to the nature and quality of the work are met. By proceeding in this way it is possible for students to receive both their arts and law degrees within a period of six academic years. For further detail regarding this program, see sub-heading Combined Six-Year Program at page 96.

THE BACHELOR OF CIVIL LAW DEGREE

Students holding an academic baccalaureate degree from an institution of approved standing, who have been in residence in the Law School for at least ninety weeks (or, in case advanced credit has been allowed have been in residence in this school at least during their last year), who have completed satisfactorily at least ninety semester credits in law with a quality point average of 1.0 or better in *all* the law work undertaken, and who have demonstrated their ethical fitness, will receive the degree of Bachelor of Civil Law (B.C.L.), the historic law degree of the College of William and Mary in Virginia. This degree is a professional degree in law and the equivalent of the more usual bachelor of laws degree.

MISCELLANEOUS INFORMATION

Method of Instruction. While each instructor has full liberty to adopt his method of teaching, the plan most generally used

consists of the discussion of cases and legal problems. Students are encouraged from the beginning to make the fullest use of the law library.

Scholarships and Prizes. Matthew Gault Emery Law Scholarship, the Paul M. Shapiro Memorial Scholarship, the Lawyers Title Insurance Corporation Award, the Seidman & Seidman Tax Award, the William A. Hamilton Prize, and the William A. R. Goodwin Memorial Fund Scholarships. See Scholarships.

ADMISSION REQUIREMENTS

The following persons may be admitted to courses in Law:

1. Students holding an academic baccalaureate degree from an institution of approved standing who have the equivalent of a 1.4 average in all work taken and a satisfactory score on the Law School Admission Test given by the Educational Testing Service of Princeton, New Jersey, may be considered for admission to the School of Law and take any subject or course of study approved by the Dean of the School; provided, however, that students who are candidates for the degree of Bachelor of Civil Law shall follow the regular course of study.

2. Undergraduate students who desire to be admitted to courses in law must have finished three-fourths of the work required for a baccalaureate degree with a quality point average of 1.5. For further detail regarding law credit for such courses, see sub-heading Combined Six-Year Program at page 96.

3. Students of academic junior standing who have completed one-half of the work and who have earned one-half of the quality points required for a baccalaureate degree within a period not exceeding five semesters may take a limited amount of work for elective credit (but not for law credit), with the consent of the Dean of the School.

4. Within the discretion of the faculty of the School, persons of exceptional promise who fail to meet the above requirements may be admitted as special students¹ and may take subjects in law approved by the Dean of the School.

¹The number is limited in accordance with the recommendation of the Legal Education Section of the American Bar Association.

Any person who is not in good standing, academically or otherwise, at any institution previously attended will not be eligible for consideration for admission.

Subject to the above provisions, registration is the same as for the College at large. Inquiries should be addressed to the Dean of The Law School.

COURSES OFFERED

Adjective Tax Law. Second semester; conferences two hours; two credits. MR. DONALDSON.

Administrative Law. First semester; lectures three hours; three credits. MR. ATKINSON.

Admiralty Law. Second semester; lectures three hours; three credits. MR. LASOK.

Advanced Income Taxation. Second semester; lectures four hours; four credits. MR. ATKESON.

Agency. Second semester; lectures two hours, two credits. MR. FISCHER.

Anti-Trust Regulation. First semester; lectures three hours; three credits. (This is *Industrial Organization*, Econ. 425.) MR. SCHIFRIN.

Business Associations. First semester; lectures four hours; four credits. MR. STASON.

Civil Procedure. First semester; lectures five hours; five credits. MR. ANDERSON.

Conflict of Laws. Second semester; lectures three hours; three credits. MR. STASON.

Constitutional History of Modern England. Second semester; lectures three hours; three credits. MR. McCULLY. (This is Hist. 412.)

Constitutional Law. Second semester; lectures four hours; four credits. MR. WHYTE.

Contracts. First semester; lectures four hours; four credits. MR. CURTIS.

Creditors Rights. Second semester; lectures four hours; four credits. MR. STASON.

Criminal Law. Second semester; lectures three hours; three credits. MR. WHYTE.

Equity. First semester; lectures two hours; two credits. MR. STASON.

Estate and Gift Taxation. Second semester; lectures three hours; three credits. MR. CURTIS.

Evidence. First semester; lectures three hours; three credits. MR. FISCHER.

Family Law. Second semester; lectures two hours; two credits. MR. LASOK.

Federal Income Tax Law.¹ First semester; lectures three hours; three credits. MR. DONALDSON.

Federal Taxation.¹ Second semester; lectures three hours; three credits. MR. REECE.

International Law. First semester; lectures three hours; three credits. MR. LASOK.

Jurisprudence. First semester; lectures two hours; two credits. MR. LASOK.

Labor Law. First semester; lectures three hours; three credits. MR. WHYTE.

Legal Accounting. Second semester; lectures three hours; three credits. MR. REECE. (This is Bus. 410 in College Catalogue.)

¹Federal Income Tax Law and the Federal Taxation course can be taken only in the alternative and credit for both will not be allowed.

Legal History. First semester; lectures three hours; three credits. MR. SWINDLER. (Not offered 1966-1967.)

Legal Method and Writing. First semester; lectures three hours; three credits. MR. SWINDLER and MR. WHYTE.

Legal Profession. Second semester; lectures two hours; two credits. MR. SWINDLER.

Legal Research. Any semester; hours to be arranged; credit according to work done.

Legislation. First semester; lectures two hours; two credits. MR. SWINDLER.

Municipal Corporations. Second semester; lectures three hours; three credits. MR. ATKINSON.

Negotiable Instruments. Second semester; lectures three hours; three credits. MR. FARIS.

Practice Court. Second semester; trial laboratory one hour; one credit. MR. WHYTE.

Preparation of Tax Forms. Second semester; lectures two hours; two credits. MR. ATKESON.

Property I. First semester; lectures four hours; four credits. MR. FISCHER.

Property II. Second semester; lectures three hours; three credits. MR. ANDERSON.

Sales. First semester; lectures two hours; two credits. MR. FARIS.

State and Local Taxation. Second semester; lectures three hours; three credits. MR. FISCHER.

Survey of Tax Literature. First semester; lectures three hours; three credits. MR. ATKESON.

Tax Administration and Procedure. First semester; lectures three hours; three credits. MR. ATKESON.

Tax Research. Either semester; conferences to be arranged; credit according to work done. MR. ATKESON.

Torts. Second semester; lectures four hours; four credits. MR. ANDERSON.

Trial and Appellate Practice. First semester; lectures two hours; two credits. MR. WHYTE.

Trusts and Estates. First semester; lectures four hours; four credits. MR. FARIS.

Virginia Procedure. Second semester; lectures three hours; three credits. MR. FARIS.

THE FOLLOWING COURSES, ALTHOUGH TAUGHT BY MEMBERS OF THE LAW FACULTY, ARE DESIGNED FOR THE COLLEGE UNDERGRADUATE AND DO NOT CARRY LAW CREDIT.

Business Law I. First semester; lectures three hours; three credits. MR. DONALDSON.

A study of the more important aspects of the law of contracts, agency and negotiable instruments. Excerpts from selected statutes, textual matter, problems and cases will be used as a basis for discussion and analysis.

Business Law II. Second semester; lectures three hours; three credits. Prerequisite: Business Law I. MR. DONALDSON.

Continuation of Business Law I. Topics studied are partnerships, corporations, property, sales, security transactions, suretyship, insurance, trusts and estates, business torts, trade regulations and labor law.

Introduction to Law. Second semester; lectures two hours; two credits. MR. STASON.

This course explains the nature and functions of law in society as processes resolving civil and criminal disputes, maintaining

historical continuity and doctrinal consistency, protecting voluntary agreements and resolving acute social conflicts. Examples from criminal, tort, contract and labor law illustrate these processes. The student is also introduced to Federal and state court structures through which these processes are conducted and becomes familiar with the nomenclature of law.

THE DEGREE OF MASTER OF LAW AND TAXATION

OBJECTIVES

The program leading to the Master of Law and Taxation degree, the first of its kind to be offered by a college or university, is designed to fill a need for competently trained persons to serve the nation in any capacity in which a thorough comprehension of all phases of taxation is an essential requirement. In the present complex status of our tax law it requires joint consideration by a lawyer, an accountant, an economist, a political scientist, and an expert in business management in order to analyze properly all aspects of a tax matter. While the program does not presume to accomplish expertness in each of these fields, it is intended to equip the student with fundamental groundwork in all and as much of advanced study in each as relates directly to the field of taxation. This required foundation in the related fields, coupled with the twenty-five semester hours of specialized tax study, is designed to provide intensive training in tax law and ability to comprehend all of its diverse facets.

PREPARATION AND PROGRAMS OF STUDY

The Bachelor of Arts (in Business Administration—Accounting), Bachelor of Civil Law, and Master of Law and Taxation degrees may be undertaken in seven years, in which the requirements for the first two degrees are completed in a six-year combined arts and law program and the seventh year devoted to the specialized study of tax law. In addition to the courses required to be completed for the arts and general law degrees, the following courses are included by students in the taxation program, either as electives or in pursuing their field of concentration in their undergraduate work:

Mathematics: six semester hours credit in college mathematics.

Business Administration: *Financial Management* (Bus. 323), and a minimum of twenty-four semester hours credit in courses in Accounting.

Economics: *Principles of Economics* (Econ 201, 202), *Money and Banking* (Econ. 311), *Principles and Methods of Statistics* (Econ. 307), *Public Finance* (Econ. 421), *Fiscal Policy* (Econ. 422), *Industrial Organization: Enforcement of Competition* (Econ. 461), *International Financial Policy* (Econ. 472), and either *Senior Seminar* (Econ. 494) or *Seminar in Accounting* (Bus. 407), or the equivalent in credit hours and content of these courses if the baccalaureate degree was earned at a college other than William and Mary.

PROGRAM FOR COMBINED COURSES

Leading to A.B. in Business Administration (Accounting) in four years, B.C.L. in six years, with preparation for both Bar and C.P.A. Examinations, and Master of Law and Taxation in seven years.

FIRST YEAR

	1st Sem.	2nd Sem.
Grammar, Composition and Literature (Eng. 101, 102)	3	3
Foreign Language	4	4
Mathematics (Math. 103, 104)	3	3
Science	5	5
Physical Education	1	1
	—	—
	16	16

SECOND YEAR

English Literature (Eng. 201, 202) or Humanities 201, 202	3	3
Foreign Language	3	3
Principles of Accounting (Bus. 201, 202)	3	3
Principles of Economics (Econ. 201, 202)	3	3
Introduction to Government and Politics (Govt. 201, 202)	3	3
Physical Education	1	1
	—	—
	16	16

THIRD YEAR

<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Intermediate Accounting (Bus. 301)	3	Intermediate Accounting (Bus. 302)	3
Principles of Psychology (Psych. 201)	3	Human Relations in Administration (Bus. 412) ..	3
Cost Accounting (Bus. 303) ..	3	Financial Management (Bus. 323) ...	3
Principles and Methods of Statistics (Econ. 307)	3	Auditing (Bus. 304)	3
Money and Banking (Econ. 311)	3	International Trade and Policy (Econ. 472)	3
Fundamentals of Marketing (Bus. 311)	3		—
	—		15
	18		

FOURTH YEAR

<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Advanced Accounting (Bus. 401)	3	Advanced Accounting (Bus. 402)	3
Accounting Systems and Data Processing (Bus. 409)	3	Business Policy (Bus. 416)	3
Contracts	4	Agency	2
Seminar in Accounting (Bus. 407)	3	Federal Taxation	3
Legal Method and Writing ...	3	Torts	4
	—	Criminal Law	3
	—		18
	16		

A.B. DEGREE

The fifth, sixth and seventh year programs leading to the B.C.L. and the Master of Law and Taxation Degrees are specified in detail in the Law School Bulletin.

For complete course descriptions, details of the graduate program, and other information relating to the Marshall-Wythe School of Law write to the Dean of the Law School for the Bulletin.

The School of Marine Science

PROFESSORS HARGIS (*Dean of the School of Marine Science*), ANDREWS, BREHMER, JOSEPH, VAN ENGEL, and J. L. WOOD. ASSOCIATE PROFESSORS BLACK, DAVIS, HAVEN, NICHOLS, NORCROSS, WASS, L. H. WOOD. ASSISTANT PROFESSORS BAILEY, MACINTYRE, PERKINS, RUZECKI, and WEBB. INSTRUCTORS OWENS, WARINNER, and WOJCIK. LIBRARIAN WELLS.

ASSOCIATE FACULTY MEMBERS

PROFESSORS BYRD (*Biology—College of William and Mary*), ELLISON (*Geology—University of Virginia*), HEWATT (*Biology and Geology—Texas Christian University*), HOPKINS (*Biology—Agricultural and Mechanical College of Texas*), HUMM (*Biology—Queens College, North Carolina*), NELSON (*Geology—University of South Carolina*). S. Y. TYREE (*Chemistry—College of William and Mary*). P. W. HARRISON (*Director, Land and Sea Interaction Laboratory, U.S.E.S.S.A., Norfolk, Va.*). ASSOCIATE PROFESSORS BICK (*Geology—College of William and Mary*), and PEDIGO (*Biology—College of William and Mary*). ASSISTANT PROFESSORS CALLARD, MANGUM (*Biology—College of William and Mary*). INSTRUCTOR LIGUORI (*Sociology and Anthropology—College of William and Mary*).

HISTORY

Virginia's interest in and concern with the sea, marine exploration, and marine life dates from earliest Colonial times. Virginia was colonized and supplied from the sea. Captain John Smith wrote of his nautical explorations and made records of the marine animals his group saw on its travels. In 1737 William Byrd's description of the mid-Atlantic seaboard colonies contained discussions of various species of marine fish and shellfish and a brief description of the Chesapeake Bay and its major tributaries.

Later in the eighteenth century Thomas Jefferson, a Visitor of William and Mary College, and Corresponding Member of the Philadelphia Academy of Natural Sciences, collected marine fossils and sent them to the Academy where they can be seen

today. Jefferson, member and one-time President of the American Philosophical Society, was also interested in meteorology and geology and among other things concerned himself with such subjects as river currents, fishery problems, Mediterranean tides, navigation, distillation of fresh from sea water and use of fish oil to preserve pilings.

Marine Science in Virginia languished until the mid-1800's when Commodore Matthew Fontaine Maury, of Spotsylvania, conducted his important studies in physical oceanography and thus established this science on a sound footing. Maury's "Physical Geography of the Sea" published in 1855 is one of the classics of oceanography. Lieutenant John Mercer Brooke, another scion of the Old Dominion, who served at the old U.S. Naval Observatory with Maury, developed a deep-sea sounding apparatus which was used to study the nature of the bottom as well as water depths in the deep sea.

From Maury's time until 1940 little local effort was expended in marine science, when at the urging of Dr. Donald W. Davis, Professor of Biology, and Dr. John Stuart Bryan, President of the College of William and Mary, and certain other academicians and members of the seafood industry, the Commonwealth established its permanent marine laboratory, then called the Virginia Fisheries Laboratory.

Laboratories were first located on the campus at Williamsburg with a field station at Yorktown, and later the entire organization moved to rented quarters at Yorktown, where the Institute grew very slowly until 1950. In that year the first permanent building, now called Maury Hall, was erected on the promontory at Gloucester Point, across the York River from Yorktown. Since 1950 growth of research activities, facilities and personnel has been rapid, especially since 1955.

By establishing the laboratory "under the control and supervision of the College of William and Mary," the General Assembly recognized the necessity for its association with an academic institution and signified its interest in training marine scientists. Teaching and advising advanced undergraduate and graduate students has been an activity of laboratory scientists since 1940.

The first Master's candidate was awarded his M.A. degree in 1943. Due to the slowdown resulting from World War II only two other students, both females, completed work in the years 1944-1949. Since 1950 thirty-six have taken degrees. Increased interest in marine science resulted in 1960 in enrollment of twelve graduate students. In 1961 sixteen were enrolled and in 1962, twenty. Nineteen sixty-three, 1964, 1965, and 1966 have seen twenty-three, twenty-one, thirty-seven and forty-three respectively.

From 1940 the academic program of the Institute was conducted as part of the Department of Biology. In 1959 the marine training program was established by the Board of Visitors of the College of William and Mary as the Department of Marine Science. In recognition of the growing importance of marine science and the improving capability of the Department to offer advanced courses, in 1961 the Board of Visitors established the marine training program as the School of Marine Science of the College of William and Mary.

The General Assembly in 1962 changed the name, Virginia Fisheries Laboratory to Virginia Institute of Marine Science; reconstituted it as an independent agency; and provided for continued educational offering in Marine Science by permitting proper affiliation with one or more accredited institutions of higher learning. The School of Marine Science is the William and Mary affiliate.

In 1964 the long-awaited doctoral program in Marine Science was inaugurated, thus completing the degree offerings in this area.

FACILITIES

The main campus of the School and Institute is situated at Gloucester Point, on the York River thirteen miles from the Williamsburg campus. Under terms of the Code of Virginia, the Institute is obliged to pursue research and educational activities relative to tidal waters, *i.e.*, Chesapeake Bay and its tributaries and adjacent regions of the Atlantic Ocean. Though in the beginning its research efforts were directed almost solely toward

the commercially important marine species and hydrography, its interest and area of responsibility has continually grown to cover the broad spectrum of inshore oceanography (or marine science) as well as fisheries biology. As the Commonwealth's official marine research and training institution, the Institute is actually a general marine laboratory conducting broadly oriented oceanographic inquiries in the spirit and tradition of Matthew Fontaine Maury (Pathfinder of the Seas), a native Virginian and America's first great marine scientist.

Through the offerings of the School of Marine Science, a joint venture of the College and the Institute, an unusual opportunity is afforded students of Marine Science and Marine Fisheries Biology to take advanced undergraduate and graduate training at an active, year-round center of marine research.

Because it is located on an important estuary with easy access to Chesapeake Bay and the nearby Atlantic, the Institute is admirably situated to conduct research and teaching in marine, estuarine, and freshwater biology and general hydrography. The secondary campus of the Eastern Shore Branch Laboratory at Wachapreague, Virginia, re-established in 1959, offers access to the embayments, salt marshes, and barrier beaches of Virginia's Eastern Shore.

The main laboratory, Matthew Fontaine Maury Hall, constructed in 1950, is equipped with running sea water, compressed air, gas, a cold room, chemistry laboratory, instrument laboratory, and an extensive and growing reference library. Brooke Hall (named after Lt. John Mercer Brooke, Virginia oceanographer and inventor of the Brooke "deep-sea sounding apparatus") completed in 1958, contains offices, the data processing laboratory, classrooms, and other laboratory facilities. Davis Hall was built in 1961 to house the Department of Microbiology-Pathology. Its name honors Dr. Donald W. Davis, former Professor of Biology at William and Mary, who was most instrumental in bringing about establishment of this facility. Three separate salt water buildings provide additional experimental facilities and the several maintenance buildings provide necessary support. The specially designed 55-foot diesel-powered research vessel *PATHFINDER* is equipped with radiotelephone and modern biological and ocean-

ographic instruments. The converted ferry, RV LANGLEY, serves as floating laboratory for work in Chesapeake Bay. Several auxiliary and outboard motorboats, and rowboats are available.

Several Institute-owned cottages and houses provide limited quarters for married and single students and visiting investigators.

PROGRAM

The program of the School of Marine Science is primarily intended for the advanced student who wishes to specialize in Marine Science or Oceanography. The degrees offered by the College of William and Mary are the Master of Arts and Doctor of Philosophy in Marine Science. Majors in Biological Oceanography (Marine Biology), General Oceanography and Marine Fisheries Biology are available at both levels. Within these general areas, study in several specialties may be undertaken—for example, Physical Oceanography, Geological Oceanography, Marine Pollution Biology, etc. Others are planned. Though the program is chiefly for graduate students, certain courses are open to advanced undergraduates. At the present time the curriculum leading to the Master of Arts in Marine Science comprises a number of formal courses, a methods course, two problems courses, one seminar course, and a thesis course. The curriculum for the Doctor of Philosophy Degree consists of such formal courses in Marine Science and cognate fields as are necessary to the student's interests and program.

In summer qualified undergraduate students may take advanced training in Invertebrate Ecology, Marine Science, Physiology, and other subjects as scheduled. Special summer research courses in Marine Science for qualified science teachers and undergraduate biology majors are offered as funds are available. Financial assistance is generally available to qualified graduate and undergraduate students and to participating teachers.

As in most marine institutions, activities are accelerated in the summer. From four to six scientists are added to the research and teaching staff. In addition to regular academic courses offered, the Institute has recently been associated with the National Science Foundation in two valuable summer training programs.

Under one, college teachers are brought to Gloucester Point. In the other, ten students are brought to the Institute in the Undergraduate Research Participation Program. In both programs, enrollees participate in research projects. An additional ten to fifteen students are supported by the Summer Aide Program which is designed to acquaint them with marine research activities and to encourage their interests.

Because the *entire* organization is marine-oriented and all of the faculty is engaged in research, students have a better than usual opportunity to become intimately familiar with the field. This advantage is increased by the fact that the student's entire training program is carried out on the seacoast. The sea, itself, is a constant classroom companion.

PREPARATORY STUDIES

It is recommended that students who are seriously interested in Marine Science as a profession consult with the Dean of the School as early in their college careers as possible regarding an academic program to be followed. The student interested in Marine Biology (Biological Oceanography) or Marine Fisheries Biology should plan to take such subjects as Genetics, Comparative Anatomy of Vertebrates, Comparative Anatomy of Invertebrates, Histology, Embryology, Systematic Botany, Microbiology; several courses in Chemistry, *i.e.*, General, Qualitative and Quantitative, Organic and, if possible, Biochemistry; and General Physics. College Mathematics through Trigonometry is very important. The Calculus is recommended.

The prospective student of General Oceanography should have an undergraduate major in Physics, Meteorology, Chemistry or Geology. Students of the first three subjects should have taken Fluid Mechanics or Gas Dynamics or similar subjects and have Mathematics through the Calculus.

In all disciplines an overall grade average of at least C+, with B (2.0 in a 3 point system) in the major field is desirable.

ADMISSION REQUIREMENTS

Though the courses offered by the School are primarily for graduate students, advanced undergraduates (juniors and seniors)

may participate. For instance, Biology, Chemistry and Physics majors may enroll in suitable 400 level courses. An undergraduate major in Chemistry, Geology, Physics, or Psychology may work on a marine problem in his field of specialization. Consent of the Chairman of the student's major department is required to take problems courses in Marine Science. Summer courses offered by the School are available to all qualified students from William and Mary Colleges, schools and departments as well as other institutions of higher learning.

Graduate students will be admitted either to regular graduate or to unclassified graduate status. All applicants for admission to regular graduate status shall be cleared through the central admissions office in cooperation with the office of the Dean of Graduate Studies of the College at Williamsburg and be subject to the approval of the Committee on Graduate Studies of the School of Marine Science.

An applicant for admission to graduate study must have completed the requirements for a Bachelor's degree in an institution of approved standing. Majors in the natural sciences are preferred. He must have achieved a minimum quality grade-point average of 1.5 (based on a 3 point system) or its equivalent. Applicants with higher grade-point averages will be given preference.

Applicants for admission to regular graduate status are required to take Graduate Record Examination. This must include the Aptitude as well as the Advanced portions of the test.

Inquiries should be addressed to the Dean of the School of Marine Science, Gloucester Point, Virginia.

CURRICULUM

Occasionally, approved marine science courses are offered at Williamsburg, but most are conducted at the marine laboratory at Gloucester Point. Accordingly, students commuting between campuses must schedule classes so as to allow adequate time between them. Usually thirty minutes are required to make the passage.

DESCRIPTION OF COURSES

***401. Introductory Physical and Chemical Oceanography.** First semester; lecture and demonstration five hours; five credits. Prerequisites: Chemistry 101, 102, Mathematics 101, 102, Physics 101, 102. MESSRS. NICHOLS, RUZECKI and MACINTYRE.

Physical and chemical properties of the marine portion of the hydrosphere, interaction with the atmosphere, and lithosphere. Special emphasis will be devoted to techniques and instruments employed in chemical and physical oceanography.

***402. Introduction to Biological and Geological Oceanography.** First semester; five hours lecture and demonstration; five credits. STAFF.

Occurrence and distribution of living and fossil marine organisms in relation to biological, chemical, geological and physical attributes of the marine environment along with considerations of other aspects of the static and dynamic relationships between the hydrosphere and lithosphere.

†403. Problems in Marine Science. All semesters; hours to be arranged; credit according to performance, maximum four credits. STAFFS OF THE SCHOOL OF MARINE SCIENCE AND CO-OPERATING NATURAL SCIENCE DEPARTMENTS.

Supervised projects selected to suit the needs of the advanced undergraduate student. Projects to be chosen in consultation with the head of the student's major department, the supervising professor and the Dean of the School of Marine Science. Acceptable topic outlines and terminal project reports are required.

†406. Introduction to Marine Science. Summer session and extension; lectures, laboratory, and field trips twenty-six hours per week for five weeks; five credits. STAFF.

A general introduction to marine science including biological, chemical, geological and physical oceanography.

***407. Biometry I.** Second semester; lecture and laboratory six hours; four credits. MR. NORCROSS.

Application of statistical methods to analysis of pertinent scientific data. Chi-square, "t" test, analysis of variance, regression analysis. Introduction to the use of electronic data processing.

†410. **Marine and Freshwater Invertebrates.** Summer session; lectures, laboratory and field trips twenty-six hours per week for five weeks; five credits. STAFF.

Classification and identification, adaptation, ecology, life histories. Local marine, estuarine and freshwater forms emphasized.

†412. **Marine Botany.** Summer session; lectures, laboratory and field trips twenty-six hours per week for five weeks; five credits. STAFF.

A general introduction to the ecology and systematics of algae and spermatophytes encountered in the marine environment.

*415. **Marine Botany—The Fungi.** Summer session; lectures, laboratory and field trips, twenty-six hours per week for five weeks; five credits. STAFF.

An introduction to the ecology and systematics of the fungi and fungus-like plants encountered in the marine environment.

†501. **Marine Science Seminar.** All semesters; hours to be arranged; one credit each semester; maximum three credits. STAFF.

*502. **Biological Oceanography.** Second semester; lecture and laboratory eight hours; five credits. MR. LANGLEY WOOD and STAFF.

†503. **Advanced Problems in Marine Science.** All semesters; hours to be arranged; credit according to performance; maximum four credits. STAFF.

*504. **Biology of Selected Marine Organisms.** As required; lectures and laboratory seven hours; five credits. MR. ANDREWS, MR. VAN ENGEL and MR. HAVEN.

*505. **Radiobiology.** As required; lectures and laboratory seven hours; five credits. MR. BREHMER and MR. WARINNER.

***506. Biology of Plankton.** As required; lectures, recitation and laboratory seven hours; five credits. STAFF.

***507. Marine Microbiology.** As required; lectures and laboratories seven hours; five credits. Prerequisites: Biology 301, 302, Chemistry 301, 302. MR. JOHN WOOD.

***508. Ichthyology.** As required; lectures, laboratory and field trips seven hours; five credits. Prerequisites: 13 credits in biology including Comparative Anatomy of Vertebrates. MR. JOSEPH.

***509. Physical Oceanography.** As required; lecture, demonstration, laboratory and cruise seven hours; five credits. MESSRS. NICHOLS and RUZECKI.

***510. Pollution Biology.** As required; lecture and laboratory seven hours; five credits. MR. BREHMER.

***511. Geological Oceanography.** As required; three hours lecture and cruise; three credits. Prerequisites: General or Physical Geology. MR. NICHOLS.

***512. Parasites of Marine Organisms.** As required; lecture and laboratory seven hours; five credits. MR. HARGIS and STAFF.

***513. Marine Biogeography.** As required; lecture three hours; three credits. MR. WASS.

***514. Littoral Processes.** As required; lecture and field work six hours; four credits. Prerequisite: Marine Science 401 and consent of instructor. STAFF.

***515. Embryology of Marine Invertebrates.** As required; lectures and laboratory seven hours; five credits. Prerequisites: 13 credits in Biology. MR. BLACK.

***516. Advanced Physical Oceanography.** As required; lecture three hours; three credits. Prerequisites: Marine Science 401, Mathematics 201, 202, 203, 302, Physics 207, 208, 302. STAFF.

***517. Behavior of Marine Organisms.** As required; lecture and laboratory seven hours; five credits. Prerequisites: Biology 101, 102, Marine Science 401, 402. MR. LANGLEY WOOD.

***518. Marine Fishery Science.** As required; lecture laboratory and field trips seven hours; five credits. MESSRS. DAVIS and JOSEPH.

***519. Biometry II.** As required; lecture and laboratory six hours; four credits. Prerequisite: Biometry I or equivalent. MR. VAN ENGEL.

***520. Comparative Animal Physiology.** (Jointly with Biology 520) Second semester; lectures; three credits. Prerequisite: acceptable course in physiology. MISS MANGUM and MR. LANGLEY WOOD.

***521. Chemical Oceanography.** As required; lecture three hours, laboratory and cruise two hours; four credits. Prerequisites: Chemistry 101, 102, 201, 202 or equivalent, Mathematics 101, 102 or 103, 104, Physics 102. MESSRS. MACINTYRE and BREHMER.

***522. Comparative Animal Physiology Laboratory.** (Jointly with Biology 522) Second semester; laboratory, four hours; two credits. Prerequisite or corequisite: Marine Science 520. MISS MANGUM and MR. LANGLEY WOOD.

***523. Topics in Applied Marine Science.** All semesters; hours to be arranged; credit according to arrangement and performance; maximum four credits. STAFF.

†560. Thesis. All semesters; hours to be arranged.

Mathematics

PROFESSORS REYNOLDS (*Head of the Department*) and SOUTHWORTH. ASSOCIATE PROFESSORS CATO, LAWRENCE, RUBLEIN and SANWAL. ASSISTANT PROFESSORS CONNER, EASLER, KUTNER, POUSSON, PROSL and TURNER. INSTRUCTORS LONGMAN and STONE. LECTURER LEONARD.

REQUIREMENTS FOR CONCENTRATION

Concentration in Mathematics consists of 36 or more semester credits at the 200 level and above including the following: Mathematics 201, 202, 203, 302, 305, 307, 311, 312 and 12 additional hours from the 300 and 400 level including at least six hours of one continuous 400 level course. Mathematics 103, 105, 106, 330, 430 and *Engineering Graphics* 201, 202 may not be applied toward concentration in Mathematics.

DESCRIPTION OF COURSES

103. Algebra-Trigonometry. Both semesters; lectures three hours; three credits. STAFF.

An integrated study of the real number system, sets, functions, graphs, equations and inequalities, systems of equations, matrices and determinants. This is followed by a study of the trigonometric functions and their properties. Recommended for science majors who have a deficiency in their training in the fundamentals.

105, 106. Fundamental Concepts of Mathematics. Both semesters; continuous course; lecture three hours; three credits each semester. STAFF.

A study of the contemporary approach to the fundamental concepts of mathematics with emphasis on the structure of the number systems. Topics included are: sets, logic, properties of the natural numbers, integers, rationals, reals and complex numbers. This continues into the second semester with the study of further topics from elementary number theory and algebra including modular arithmetic, factorization and divisibility, systems of equations, inequalities, algebraic structures, relations and functions.

This course is designed to give the non-science student a comprehensive look at mathematics and to give the underlying structure of the subject as it is currently being introduced into the curriculum of the public schools. It is further designed to give the prospective elementary and non-science secondary teachers the training in mathematics that is currently being recommended nationally for them.

201, 202, 203. Calculus with Analytic Geometry. Both semesters. Continuous course; lectures three hours; three credits each semester. Prerequisites: Math. 103 or its equivalent or consent of the head of the department. (Entering freshmen with good training in trigonometry are urged to begin with Math. 201.) STAFF.

201. Inequalities, absolute values and analytics through conics. Sets, ordered pairs and functions leading to limits and derivatives of algebraic and transcendental functions including applications to maxima, minima, plane motion and Law of the Mean Value. Differentials and their applications.

202. The definite integral and the Fundamental Theorem of Integral Calculus and their applications to areas, volumes, work, first moments and centroids including improper integrals and solids of revolution. Techniques of integration, parametric equations, polar coordinates and vectors.

203. Sequences and series including Taylor's and Maclaurin's series and convergence. Solid analytic geometry and partial differentiation with applications. L'Hospital's Rule.

205. Analytics. Usually offered in summer; lectures three hours; three credits. Prerequisites: Math. 103 or the consent of the head of the department. STAFF.

Plane graphs in rectangular and polar coordinates presented from the vector approach. The conics, planes and surfaces, lines and curves, their tangents and normals, ruled surfaces and surfaces of revolution, quadrics and volumes.

206. Modern Mathematics. Usually offered in summer; lectures three hours; three credits. Prerequisites: Math. 103 or its equivalent or the consent of the head of the department. STAFF.

A study of topics of mathematics most recently developed and applied in fields including the social and biological sciences. Elementary logic, sets, probability theory, matrices, linear optima, and the theory of games. The course serves the student interested in cultural aspects whether or not a mathematics major.

302. Differential Equations. Both semesters; lectures three hours; three credits. Prerequisite: Math. 203 or the consent of the head of the department. STAFF.

Ordinary differential equations. Laplace Transform. Series solutions of Legendre and Bessel equations. Solution of partial differential equations by separation of variable. Applications in geometry, physics, and engineering.

305. Linear Algebra. Fall semester; lectures three hours; three credits. Prerequisite: Math. 203 or consent of the Head of the Department.

This course is an introductory one in the study of Abstract Algebra beginning with systems of linear equations, linear transformations, determinants and matrices, placing the main emphasis on the study of vector spaces. This course provides a transition from calculus and college algebra to the later courses in abstract algebra. It is recommended for teachers of secondary mathematics.

307. Algebra. Spring semester; lectures three hours; three credits. Prerequisite: Math. 305. STAFF.

Sets, logic and introduction to groups, rings and fields. Properties of the number systems, congruences, polynomials and their applications to theory of equations. Recommended for teachers of secondary mathematics.

308. Geometry. Second semester; lectures three hours; three credits. Prerequisite: Math. 302, 305 or the consent of the Head of the Department. STAFF.

Axioms and deductive reasoning. Some advanced euclidean geometry including cross ratio and inversion. Synthetic and co-

ordinate projective geometry. Duality. Perspectivity. Conics. Recommended for prospective teachers.

311, 312. Advanced Calculus. Continuous course; lectures three hours; three credits each semester. Prerequisite: Math. 203, Corequisite: Math. 302.

Functions of several variables, directional derivative, operations with Taylor's series and series in several variables, uniform convergence, Green's and Stokes' Theorems and other topics chosen from classical analysis.

330. Elementary Computer Programming. Either semester; lecture one hour; laboratory one hour; one credit. Open to all students. MR. SMITH.

Introduction to computed languages including machine languages SPS and Fortran with emphasis on the latter.

401, 402. Probability and Statistics. Continuous course; lectures three hours; three credits each semester. Prerequisites: Math. 204, 302. MR. KUTNER.

The first semester deals with classical probability theory and their applications. Topics include: combinatorial analysis, Bayes's Theorem, discrete and continuous probability distributions, and characteristics of distributions. The second semester deals with statistical inference theory and applications. Topics include: sampling from probability distributions, estimation, hypothesis testing, confidence methods, regression analysis, experimental designs, and non-parametric statistics.

403. Intermediate Analysis. Second semester; lectures three hours; three credits. Prerequisite: Math. 203, 307. MR. CONNER.

Real numbers; point sets; the Heine-Borel and Bolzano-Weierstrass theorems. Limits; continuity; and uniform continuity. Sequences and series of functions; uniform convergence. The Riemann integral. Functions of several variables.

405, 406. Complex Variables. Continuous course; lectures three hours; three credits each semester. Prerequisites: Math. 203, 302. MR. POUSSON.

The complex plane. Functions of a complex variable. Continuity. Differentiability and the Cauchy-Riemann equations. Contour integrals. The Cauchy integral theorem and the Cauchy integral formula. The second semester continues with infinite sequences and series, Taylor and Laurent expansions, calculus of residues, evaluation of real definite integrals, analytic functions, Liouville's Theorem and other selected topics.

407, 408. Introduction to Matrices and Linear Algebra. Continuous course; lecture three hours; three credits each semester. Prerequisites: Math. 302, 307 and consent of the Head of the Department. MR. CATO and MR. SANWAL.

The first semester deals with algebra of matrices, determinants, systems of linear equations, elementary transformations, finite dimensional vector spaces, matrix polynomials, characteristic vectors. The second semester continues with functions of matrices, Sylvester-Lagrange interpolation polynomial, systems of linear differential equations, normal forms, bilinear and quadric forms, Hermitian matrices, orthogonal and unitary transformations, inner products, norms and applications.

410. Special Topics. Either semester; one, two or three hours lecture and credit, depending upon topics chosen. Prerequisite: consent of the Head of the Department. STAFF.

Topics selected from Theory of Equation, Projective Geometry, Linear Algebra, Intermediate Analysis, Applied Mathematics, etc.

412. Introduction to Number Theory. Either semester; lecture three hours; three credits. Prerequisites: Math. 307 or consent of the Head of the Department. MR. REYNOLDS.

An elementary course in the theory of integers, divisibility and properties of prime numbers; a study of Diophantine equations, congruences, number theoretical functions, decimal expansion of rational numbers and quadratic residues included. Recommended for prospective secondary teachers of mathematics.

413, 414. Topics in Numerical Analysis. Continuous course; lecture three hours; three credits each semester. Prerequisites:

Math. 302, 305. Corequisite: computer programming. MR. KUTNER, MR. SOUTHWORTH.

The topics to be discussed the first semester are roots of equations, solution of systems of linear equations by matrix methods, eigenvalues and eigenvectors of matrices, interpolation, numerical evaluation of integrals, and numerical differentiation.

The second semester topics include empirical data curve fitting, integration of systems of ordinary differential equations of both the initial value and boundary value type. Several of the assignments will require the programming of a digital computer to obtain numerical results.

430. Numerical Methods and Computer Programming. Either semester; lecture three hours; two credits. Prerequisite: Math. 203 or equivalent. MR. SMITH.

Recommended for Mathematics and Physical Sciences majors. This course is designed to acquaint students with the theory and practice of computation with special reference to stored-programming techniques for high-speed electronic computers such as IBM 1620 and IBM 7090. Topics include: Symbolic and Automatic Programming; Problem planning, organization and functioning of computer installation; Survey of current computer applications in the fields of scientific and industrial research. (This course may not be applied toward any concentration.)

Engineering Graphics 201, 202. Engineering Drawing and Descriptive Geometry. Continuous course; laboratory six hours; three credits each semester. MR. SMITH.

Fundamentals of Engineering Drawing and Descriptive Geometry. Orthographic projection, auxiliary views. Isometric, oblique projection and drawing; prospective; machine parts such as screws, gears, valves, cams. Lettering. Graphic and analytic solutions of engineering and geometric problems. Intersection and development of surfaces.

MASTER OF ARTS AND MASTER OF SCIENCE DEGREES IN MATHEMATICS

Requirements for admission are listed on pages 94-95 of this catalogue. Candidates for the degree of Master of Arts and

Master of Science in Mathematics must meet the following requirements in addition to the general requirements stated on pages 108-109 of this catalogue.

1. After consultation with the Mathematics Department, the student may be required to take undergraduate courses in which his preparation is judged inadequate.

2. The student must demonstrate a reading knowledge of French, German or Russian, in the field of mathematics, at least one semester prior to qualifying for the degree.

3. Each candidate must pass a comprehensive examination to be taken at least two weeks before regular semester examinations. This examination shall be given only after the total semester credits required have been completed or in the semester in which these credits will be completed.

4. For the Master of Arts degree, in addition to Math. 560 (Thesis), the candidate must successfully complete 24 semester credits in courses numbered above 400 including at least 12 semester credits in courses limited to graduate students (500 level) and with a grade of B or better in each 400 level course taken for graduate credit. He will also have a faculty supervisor who will be primarily responsible for the student's choice of a thesis subject and for advising him regarding research and writing problems encountered in preparing his thesis.

5. For the Master of Science degree, the student must take a total of 32 semester credits consisting of 20 or more credits at the 500 level. A grade of B or better is required in each 400 level course taken for graduate credit.

GRADUATE COURSES

501, 502. Modern Abstract Algebra. Continuous course; lectures three hours; three credits each semester. Prerequisite: Math. 307 or its equivalent. STAFF.

503, 504. Analysis. Continuous course; lectures three hours; three credits each semester. Prerequisite: Math. 403. STAFF.

505, 506. Topology. Continuous course; lectures three hours; three credits each semester. STAFF.

509, 510. Applied Mathematics I. Continuous course; lectures three hours; three credits each semester. Prerequisite: Math. 407, 408. STAFF.

511, 512. Applied Mathematics II. Continuous course; lectures three hours; three credits each semester. Prerequisite: Math. 509, 510. STAFF.

551. Readings in Algebra and Number Theory. One to three hours either semester depending upon material covered. STAFF.

552. Readings in Analysis I. One to three hours either semester, depending upon material covered. STAFF.

553. Readings in Analysis II. One to three hours either semester, depending upon material covered. STAFF.

554. Readings in Topology. One to three hours either semester, depending upon material covered. STAFF.

555. Readings in Applied Mathematics. One to three hours either semester, depending upon material covered. STAFF.

560. Thesis. Hours to be arranged. STAFF.

585. Research. Any semester; hours and credits to be arranged. STAFF.

Military Science Army

PROFESSOR COL. WETHERELL (*Head of Department*). ASSISTANT PROFESSORS LT. COL. SHIVEL, MAJOR HUNNICUTT, and CAPTAIN LAFRANCE.

RESERVE OFFICERS' TRAINING CORPS

A unit of the Reserve Officers' Training Corps was established at the College of William and Mary on July 1, 1947, with an assigned mission of training students for positions of leadership in the Armed Forces in time of national emergency.

Beginning with the 1954-55 session the College broadened the scope of training from the original course designed specifically to train students in Artillery subjects to one of General Military Science. The GMS course gives the student a college level program of general military subjects, trains him in basic infantry weapons and procedure, teaches him the fundamentals of leadership, and provides him an opportunity to perfect his leadership technique by practical application.

Any male student who is a citizen of the United States, physically qualified, and not already holding a commission in any of the Armed Forces may, when he matriculates in the College, enroll in the first year basic course.¹ Those meeting the above qualifications but who have had prior military training, whether in the Armed Forces or in another college may, commensurate with the degree of such training, enroll in Military Science I through IV.² Freshmen and transfer students desiring to take advantage of previous military training should consult the Professor of Military Science when they matriculate in the College. Time

¹Students who enroll in either the basic or advanced courses will be required to complete the course in which they are enrolled in order to receive college credit for any part of the two-year period. However, in cases where a student is forced to drop from the ROTC because of physical disability or other bona fide reasons beyond his control, the Professor of Military Science may, at his discretion, recommend to the college authorities that the student be given credit for a part of or all of his completed work.

²For those students desiring to participate, there is a 2 year program available beginning with the summer prior to the junior year and extending through the completion of the senior year. Details available at the office of the Department of Military Science.

of enrollment must be such as to place the military and academic instruction in phase with each other. Thus, freshmen only pursue MS I, sophomores, MS II, juniors, MS III, and seniors, MS IV.

Having completed satisfactorily the two year basic course or its equivalent, and having demonstrated that he possesses such traits of character and leadership ability as will justify his further training as a candidate for a commission, a student who also has an adequate academic standing becomes an eligible candidate for admission to the advanced course (MS III and MS IV). Those who complete this course may, upon graduation from the College, be commissioned as Second Lieutenants, United States Army Reserve. Outstanding ROTC cadets will be offered a commission in the Regular Army under the provisions of the Distinguished Military Graduate Program.

Students who enroll in the basic course are furnished standard government issue uniforms. Those who enroll in the advanced course receive tailored officer-type uniforms and accessories of commercial manufacture, which become the property of the student upon his graduation and commissioning. In addition, students who are enrolled in the advanced course become members of the Enlisted Reserve and receive a retainer of \$40.00 per month. Advanced course students are required to attend a six-weeks summer camp, generally between their third and fourth years at college.³ They are paid one half of a Second Lieutenant's salary during that period. They also receive travel pay to and from camp, and while there are rationed and quartered at government expense.

The Professor of Military Science may grant a deferment to any student enrolled in ROTC. This deferment will defer the student from induction for training and service under the Universal Military Training and Service Act until he has completed his college education. A student who is selected and signs a deferment agreement, agrees to enroll in and complete the advanced course, if selected therefor; to accept a commission upon graduation, if tendered; to serve on active duty as an officer for a period of not less than two years; and to remain a member of a regular reserve

³Two year program cadets must attend two (2) summer camps. Details available at the office of the Department of Military Science.

component of the Army until the sixth anniversary of the date of his commission. In some instances he may be authorized to serve only six months on active duty and to remain a member of a reserve component of the Army until the eighth anniversary of the date of his commission.

The signing of the deferment agreement is optional in the freshman and sophomore years, but becomes mandatory for a student entering the advanced course. Current regulations also provide for the deferment of the active duty training of newly commissioned students in cases where they have applied and been accepted for graduate work in any recognized field.

The branch of service in which commissions will be offered to the individual student will be dependent upon the needs of the Army and recommendations of a selection board composed of civilian and military faculty members. In cases where a student is commissioned and subsequently enters graduate school to specialize in such fields as medicine, ministry, and engineering he may, upon the completion of such training, apply for transfer to a branch of service related to his particular field of endeavor.

DESCRIPTION OF COURSES

101.⁴ First Semester, First Year Basic. Lecture one hour, laboratory (drill) two hours; one credit.

A brief history and organization of the ROTC and reasons for its continued growth. A short introduction to evolution of fire-arms with emphasis on assembly and disassembly, mechanical functioning, care and maintenance and methods of employment of the U.S. rifle caliber .30 M-1. School of the Soldier and Exercise of Command.

102. Second Semester, First Year Basic. Lecture one hour, laboratory (drill) two hours; one credit.

⁴In addition to MS 101 and MS 102 each student in the first year basic ROCT program is required to take 30 hours work (two credits) in one of the following general academic areas: (a) effective communications, (b) science comprehension and (c) general psychology. This subject may be one that is required in the student's normal academic curriculum during his freshman year.

A brief presentation of national defense policy and world-wide commitments that require support of the Armed Forces. A brief comparison of the military forces of the world. School of the Soldier and Exercise of Command.

201. First Semester, Second Year Basic. Lecture two hours, laboratory (drill) two hours; two credits.

American Military History. Military history as it has affected the organizational, tactical, social and similar patterns of our present-day army. School of the Soldier and Exercise of Command.

202.⁵ Second Semester, Second Year Basic. Lecture two hours, laboratory (drill) two hours; two credits.

Map and aerial photograph reading to include application of basic principles emphasizing terrain appreciation and evaluation; marginal information, military and topographic symbols, terrain orientation, elevation and relief, intersection and resection and use of the compass.

Introduction to operations and basic tactics and introduction to counterinsurgency operations. School of the Soldier and Exercise of Command.

301.⁵ First Semester, First Year Advanced. Lecture two hours, laboratory (drill) two hours; one credit.

Leadership. The study of leadership from the functional approach; Role of the leader as head of the group: Interaction between the Company Commander, the Platoon Leader, and the Platoon Members; Responsibilities of the leader. School of the Soldier and Exercise of Command.

Branches of the Army. Organization, functions and mission of

⁵Credit for MS 101, 102, 201 and 202 (Basic Course) is prerequisite—along with other requirements. In addition to MS 301, 302, 401 and 402 advanced ROTC students are required to take six semester credits which are not part of the normal requirement of their major field. These credits are to be selected in coordination with the Professor of Military Science and will be within the following general areas: Science comprehension, general psychology, effective communication and political institutions.

the arms and services; familiarization of the organization, functions and mission of the various arms and services in the overall mission of the Army.

Counterinsurgency. Nature and causes of insurgency, the concept of counterinsurgency operations, and the role of the US Army in countering insurgencies.

302. Second Semester, First Year Advanced Section. Lecture three hours, laboratory (drill) two hours; three credits.

Military Teaching Principles. Educational psychology as pertaining to the five stages of instructional techniques and importance to each; techniques used in planning and presenting instruction; speech for instructor; the construction and use of training aids.

Small Unit Tactics and Communication. Techniques of offensive and defensive combat and their application to the operations of the units of the Infantry Battalion. Familiarization with the means and techniques of communications. School of the Soldier and Exercise of Command.

401. First Semester, Second Year Advanced. Lecture three hours, laboratory (drill) two hours; three credits.

Operations. Staff organization and procedures. Responsibilities of staff officers using division staff as a model. Military intelligence, to include the intelligence cycle. Training management with emphasis on battalion and unit.

Logistics. Types, categories, classes of property. Garrison supply procedures to include accounting for lost, damaged, and destroyed property. Combat logistics with emphasis on logistical organizations and procedures of the division.

Administration. The role of the company grade officer in administration. Familiarization with Department of Army publications and administrative procedures. School of the Soldier and Exercise of Command.

402. Second Semester, Second Year Advanced. Lecture two hours, laboratory (drill) two hours; one credit.

Role of the United States in World Affairs. An orientation on geographical and economic factors, their influence on the division of people into nations and the causes of war.

Military Law. History of development of military law. The Uniform Code of Military Justice and trial procedure.

Service Orientation. Orientation on customs and traditions of the service and military life. School of the Soldier and Exercise of Command.

Flight Training: An FAA approved flight training program of approximately 35 hours ground training and 36½ hours flight instruction conducted by civilian flight contract is offered to selected senior ROTC Cadets.



Marine Science student using oceanographic instrument

Modern Languages¹

PROFESSORS OUSTINOFF (*Head of the Department*), BANNER, KALLOS, MOORE, REBOUSSIN, RINGGOLD, STONE. ASSOCIATE PROFESSORS COKE, HOFFMAN, MARTEL, McCARY, ZIMMERMAN. ASSISTANT PROFESSORS BEELER, KURTZ, RICHEL. INSTRUCTORS BACKHAUS, BELSKIS, BUSS, DIDUK, HAASE, HEILBRONN, HODGES, JOHNSTON, KREBS, MANN, OTIS, SQUIRE, TYLER. LECTURER PALMAZ.

Courses in the 100² and 200 groups are designed to give a well-rounded linguistic experience, including the spoken as well as the written language, and to develop an awareness and appreciation of other cultures. Supervised language laboratory is an integral part of courses 101 and 102; four class meetings and one hour in the language laboratory.

Courses in the 300 and 400 groups are designed to give further experience in the principal facets of language study, a reasonable knowledge of the literature, some experience in literary criticism, to the end that the student may experience in some degree the humanizing process which derives from the study and understanding of foreign languages and cultures. Courses in the 300 and 400 groups are conducted in the foreign language.

Students concentrating within the area of Modern Languages are required to take at least six credits in an Ancient Language.

FRENCH

REQUIREMENTS FOR CONCENTRATION

The following courses are required for concentration in French, and should be taken in this order: French 301, 302, 304, 305, 306, 401, 403, 404, 406.

Students planning to concentrate in French are advised to choose Latin to satisfy the requirement of at least 6 semester credits in an Ancient Language.

¹The distribution requirements for foreign languages are indicated on pages 102-103. All language requirements for a degree should be begun in the freshman year.

²No credit will be counted toward a degree for the first semester of an elementary foreign language unless followed by the successful completion of the second semester of that language.

DESCRIPTION OF COURSES

101, 102. Elementary French. Continuous course; lectures four hours; language laboratory one hour; four credits each semester. Students who have acquired 2 high school credits in French may not take French 101, 102 for credit. STAFF.

201, 202. Intermediate Level. Continuous course; lectures three hours; three credits each semester. Prerequisite: two high school units for 201, three high school units for 202 or the equivalent. Students who have acquired three high school units in French may not take 201 for credit. STAFF.

A review and continuation of the study of French grammar, incorporated with the continued development of reading, writing, speaking and comprehension skills.

205. Intermediate Grammar and Composition. Both semesters; lectures three hours; three credits. Prerequisite: French 202 or the equivalent, MR. RINGGOLD and MR. OTIS.

Review of main principles of syntax. Composition.

206. Intermediate Conversation. Both semesters; lectures three hours; three credits. Prerequisite: French 205 or the equivalent. MR. COKE.

Phonetics; intensive oral-aural training.

207. Advanced Reading in French Literature. First semester; lectures three hours; three credits. Prerequisite: four high school units or 202 or the equivalent. STAFF.

Selected readings from the literature of the seventeenth, eighteenth, nineteenth and twentieth centuries. A reading course designed as an introductory step to the 300 courses in literature.

208. The French Heritage. Second semester; lectures three hours; three credits. Prerequisite: four high school units or 202 or the equivalent. STAFF.

***French 209. Introduction to French literature from 1494 to 1815.** First semester; lectures three hours; three credits. Prerequisite: four high school units or 202 or the equivalent. MR. COKE.

Study of the historical development of the literary genres from the beginning of the Renaissance to the end of the 18th century.

***French 210. Introduction to French literature from 1815 to 1930.** Second semester; lectures three hours; three credits. Prerequisite: French 209 or the equivalent. MR. COKE.

Study of the historical development of the literary genres from 1815 to 1930.

Reading course embodying the most important elements of French civilization, designed as an introductory step to the 300 courses in literature.

301. Classical Literature. First semester; lectures three hours; three credits. Prerequisite: French 207 or 208 or the equivalent. MR. McCARY and MR. COKE.

Literary trends of the seventeenth century; study of representative works. The course also includes a short review of the main principles of French versification.

302. Literature of the Eighteenth Century. Second semester; lectures three hours; three credits. Prerequisite: French 207 or 208 or the equivalent. MR. McCARY and MR. COKE.

Literary trends of the eighteenth century; study of representative works.

304. Advanced Grammar and Composition. Second semester; lectures three hours; three credits. Prerequisite: French 205 and another 200 course or the equivalent. MR. RINGGOLD.

Advanced syntax and intensive written work.

305, 306. Advanced Conversation. Continuous course; lectures three hours; three credits. Prerequisite: French 206 and another 200 course or the equivalent. MR. REBOUSSIN.

Advanced intensive oral-aural training.

401. The Middle Ages and the Sixteenth Century. First semester; lectures three hours; three credits. Prerequisites: French 301 and 302 or the equivalent. MR. BEELER.

Study of representative works.

403. Romanticism. First semester; lectures three hours; three credits. Prerequisites: French 301 and 302 or the equivalent. MR. MARTEL.

Romantic movement and its principal exponents; study of representative works.

404. Realism, Naturalism, and Symbolism. Second semester; lectures three hours; three credits. Prerequisites: French 301 and 302 or the equivalent. MR. REBOUSSIN.

Nature of these literary currents; study of representative authors and works.

405. Advanced Writing in French. First semester; lectures three hours; three credits. Prerequisite: French 304 or the equivalent. Consent of the instructor required. MR. RINGGOLD.

An intensive course in writing and language analysis particularly designed to assist students who are planning to teach French in secondary schools. (Students concentrating in French who are accepted for this course may substitute it for another required French course as approved by the Chairman of the Department.)

406. Contemporary Literature. Second semester; lectures three hours; three credits. Prerequisites: French 301 and 302 or the equivalent. STAFF.

Contemporary literary trends; study of representative authors and works.

GERMAN

REQUIREMENTS FOR CONCENTRATION

The following courses are required for concentration in German, and should be taken in the following order: German 207, 208, 301, 302, 305, 401, 402, 403 and 404.

DESCRIPTION OF COURSES

101, 102. Elementary German. Continuous course; lectures four hours; language laboratory one hour; four credits each se-

mester. Training in pronunciation, aural-oral comprehension with the use of audio-visual techniques. STAFF.

Students who have acquired two high school units in German may not take German 101, 102 for credit.

201. Graded Readings in German Prose. First semester; lectures three hours; three credits. Students who have acquired three high school units in German may not take German 201 for credit. STAFF.

A reading course which includes a grammar review.

202. Readings in Masterpieces of German Literature. Both semesters; lectures three hours; three credits. Prerequisite: three high school units or 201 or the equivalent. STAFF.

Selected readings from the masterpieces of German literature.

204. Scientific German. Both semesters; lectures three hours; three credits. Prerequisite: German 202 or the equivalent. MR. HAASE.

Reading of scientific texts in chemistry, physics, biology, and general science.

205. Intermediate Grammar and Composition. Both semesters; lectures three hours; three credits. Prerequisite: four high school units or 202 or the equivalent. STAFF.

Review of main principles of syntax; composition.

206. Intermediate Conversation. Both semesters; lectures three hours; three credits. Prerequisite: German 205 or the equivalent. STAFF.

Phonetics; intensive oral-aural training.

207. The German-Speaking Peoples and Their Civilization. Both semesters; lectures three hours; three credits. Prerequisite: four high school units or 202 or the equivalent. STAFF.

Reading course embodying the most important elements of Germanic Civilization, designed as an introductory step to the 300 courses.

208. Introduction to German Literature. Both semesters; lectures three hours; three credits. Prerequisite: German 207 or the equivalent. STAFF.

A study and discussion of the representative genres of German literature, designed as an introductory step to the 300 courses.

301. German Classicism. First semester; lectures three hours; three credits. Prerequisite: German 208 or the equivalent. MR. KURTZ.

Reading and interpretation of the chief works of Lessing, Goethe, and Schiller.

302. Survey of German Literature. Second semester; lectures three hours; three credits. Prerequisite: German 301 or the equivalent. MR. KURTZ.

Main currents of German literature from its origin through the Baroque period; study of representative works.

303.¹ Advanced Scientific German. First semester; lectures three hours; three credits. Continuation of German 204. Prerequisite: German 204. STAFF.

Translating of difficult scientific articles in biology, chemistry, physics, general science, engineering, manufacturing, medicine, and psychology.

305. Advanced German Composition and Conversation. Second semester; lectures three hours; three credits. Prerequisites: German 205 and 206 or the equivalent. MISS BACKHAUS.

401. From Romanticism to Poetic Realism. First semester; lectures three hours; three credits. Prerequisite: German 301 or 302. MR. ZIMMERMAN.

The Romantic Schools, political writers, the "Young Germany" circle, poetic realism, naturalism, impressionism; reading and interpretation of representative works.

¹Not offered in 1967-68.

402. Modern German Literature. Second semester; lectures three hours; three credits. Prerequisite: German 401 or the equivalent. MR. KALLOS.

Principal literary trends; reading and interpretation of representative works.

403. German Poetry. First semester; lectures three hours; three credits. Prerequisite: German 402 or the equivalent. MR. KALLOS.

Reading and interpretation of outstanding poetic works from the eighteenth century to the present.

404. The Faust Sagas and Goethe's Faust. Second semester; lectures three hours; three credits. Prerequisite: German 403 or the equivalent. MR. ZIMMERMAN.

Reading and interpretation of Goethe's *Faust* (First Part), and a study of its historical background and sources.

ITALIAN¹

101, 102. Elementary Italian. Continuous course; lectures four hours; language laboratory one hour; four credits each semester. Training in pronunciation, aural-oral comprehension with use of audio-visual techniques. Students who have acquired two high school units of Italian may not take Italian 101, 102 for credit. MR. COKE and MRS. HEILBRONN.

201. Intermediate Italian. First semester; lectures three hours; three credits. Prerequisites: Italian 101 and 102 or the equivalent. MRS. HEILBRONN.

A reading course which includes composition and oral practice.

202. Reading in Italian Literature. Second semester; lectures three hours; three credits. Prerequisites: Italian 101 and 102 or the equivalent. MR. COKE.

Selected readings from the literature of the eighteenth, nineteenth and twentieth centuries.

¹Owing to limited instructional facilities, enrollment will be restricted.

301. Survey of Italian Literature from the Beginning to 1700. First semester; lectures three hours; three credits. Prerequisite: four high school units or 202 or the equivalent. MR. COKE.

Survey of Italian Literature up to 1700. Study of representative works.

302. Italian Literature from 1700 to the Present Time. Second semester; lectures three hours; three credits. Prerequisite: Italian 301 or the equivalent. STAFF.

Survey of Italian Literature up to 1950. Study of representative works.

RUSSIAN¹

101, 102. Elementary Russian. Continuous course; lectures four hours; language laboratory one hour; four credits each semester. Training in pronunciation, aural-oral comprehension with use of audio-visual techniques. Students who have acquired two high school units of Russian may not take Russian 101, 102 for credit. MISS TYLER.

201. Intermediate Russian. First semester; lectures three hours; three credits. Prerequisites: Russian 101 and 102 or the equivalent. MISS TYLER.

Review of the fundamentals of grammar and pronunciation and reading of moderately difficult texts.

202. Readings in Masterpieces of Russian Literature. Second semester; lectures three hours; three credits. Prerequisites: Russian 101 and 102 or the equivalent. MISS TYLER.

Selected readings from Russian literature of the 19th century.

297, 298. Survey of Russian Literature in English. A continuous course; however, each semester may be taken singly for credit. Lectures three hours; three credits each semester.

¹Owing to limited instructional facilities, enrollment will be restricted.

A chronological survey of Russian literature from its beginning to the Soviet Period, with emphasis given to the major writers of the 19th century.

301. Survey of Russian Literature from the Beginning to 1850. First semester; lectures three hours; three credits. Prerequisite: four high school units or 202 or the equivalent. STAFF.

Survey of literature up to 1850. Study of representative works.

302. Survey of Russian Literature from 1850 to the Present. Second semester; lectures three hours; three credits. Prerequisite: Russian 301 or the equivalent. STAFF.

Survey of Russian literature from 1850 up to the Present. Study of representative works.

SPANISH

REQUIREMENTS FOR CONCENTRATION

The following courses are required for concentration in Spanish; and should be taken in this order: 301, 302, 303, 305, 306 and four of the following courses: 401, 402, 403, 404,¹ 405, 406.

Students planning to concentrate in Spanish are advised to choose Latin to satisfy the requirement of at least six semester credits in an Ancient Language.

DESCRIPTION OF COURSES

101, 102. Elementary Spanish. Continuous course; lectures four hours; language laboratory one hour; four credits each semester. Training in pronunciation, aural-oral comprehension with the use of audio-visual techniques. Students who have acquired two high school units in Spanish may not take Spanish 101, 102 for credit. STAFF.

201. Intermediate Spanish Reading. Both semesters; lectures three hours; three credits. Prerequisite: two high school

¹Not offered in 1967-68.

units or the equivalent. Students who have acquired three high school units in Spanish may not take 201 for credit. STAFF.

A reading course which includes a grammar review.

202. Readings in Modern Literature. Both semesters; lectures three hours; three credits. Prerequisite: three high school units, or Spanish 201 or the equivalent. STAFF.

Selected readings from the literature of the nineteenth and twentieth centuries.

205. Intermediate Grammar and Composition. Both semesters; lectures three hours; three credits. Prerequisite: Spanish 202 or the equivalent. MR. BANNER.

Review of main principles of syntax; composition.

206. Intermediate Conversation. Both semesters; lectures three hours; three credits. Prerequisite: Spanish 205 or the equivalent. STAFF.

Phonetics; intensive oral-aural training.

207. The Spanish Heritage. First semester; lectures three hours; three credits. Prerequisite: four high school units or 202 or the equivalent. STAFF.

Reading course embodying the most important elements of Hispanic civilization, designed as an introductory step to the 300 courses in literature.

208. Readings in Masterpieces of Spanish Literature. Second semester; lectures three hours; three credits. Prerequisite: four high school units or 202 or the equivalent. STAFF.

Selected readings from Spanish literature from the beginning to the present. A reading course designed as an introductory step to 300 courses in literature.

301. Spanish Literature from the Beginning to 1700. First semester; lectures three hours; three credits. Prerequisite: Spanish 207 or 208 or the equivalent. MR. MOORE.

Survey of Spanish literature from its beginning to the end of the Golden Age. Study of representative works.

302. Spanish Literature from 1700 to the Present Time. Second semester; lectures three hours; three credits. Prerequisite: Spanish 301 or the equivalent. MR. BANNER.

Survey of Spanish literature from 1700 to the present. Study of representative works.

303. Advanced Grammar and Composition. Second semester; lectures three hours; three credits. Prerequisite: Spanish 205 and another 200 course or the equivalent. MR. STONE.

Advanced syntax and intensive written work.

305, 306. Advanced Conversation. Continuous course; lectures three hours; three credits. Prerequisites: Spanish 206 and another 200 course or the equivalent. MR. STONE.

Advanced intensive oral-aural training.

401. The Novel. First semester; lectures three hours; three credits. Prerequisites: Spanish 301 and 302 or the equivalent. MR. STONE.

Survey of the early novel with detailed study of the modern novel since Romanticism. Study of representative works.

402. Drama of the Golden Age. First semester; lectures three hours; three credits. Prerequisites: Spanish 301 and 302 or the equivalent. MR. HOFFMAN.

Survey of the drama from its beginning. Detailed study of the drama of the Golden Age. Study of representative works.

403. Cervantes. Second semester; lectures three hours; three credits. Prerequisites: Spanish 301 and 302 or the equivalent. MR. MOORE.

The life and works of Cervantes with particular emphasis on the Quijote and the Novelas Ejemplares.

404. Drama of the 19th and 20th Centuries. Second semester; lectures three hours; three credits. Prerequisites: Spanish 301 and 302 or the equivalent. MR. BANNER.

Principal movements and authors in the drama of the 19th and 20th centuries. Study of representative works. (Not offered in 1967-68.)

405. Directed Readings in Spanish Literature. First semester; lectures three hours; three credits. Prerequisites: Spanish 301 and 302 or the equivalent. MR. BANNER.

This course is designed to permit the student to pursue in depth an area of literature in which he has a major interest.

406. Survey of Spanish American Literature. Second semester; lectures three hours; three credits. Prerequisites: Spanish 301 and 302 or the equivalent. MR. HOFFMAN.

Principal literary movements in Spanish America. Study of representative works.

HONORS STUDY

495, 496. Honors. Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Honors Study in Modern Languages will be enrolled in this course during both semesters of their senior year. The course comprises (a) supervised reading of a general bibliography in the language and literature of the student's field of concentration; (b) supervised reading of a special bibliography in the field of the student's major interest; (c) presentation by May 1 of a satisfactory Honors Essay in the field of the student's major interest; and (d) satisfactory performance in a comprehensive oral examination in the field of the student's major interest.

Music

PROFESSORS TRUESDELL (*Head of the Department*), and FEHR.

ASSOCIATE PROFESSORS STEWART and VARNER. ASSISTANT PROFESSORS PALEDES. LECTURERS CATRON, DARLING and KOMAN.

The Department of Music offers concentration in music appropriate for (1) prospective school music teachers; (2) students who desire a broad liberal arts program as cultural enrichment with the emphasis on music in combination with the other arts and humanities but who do not plan a professional career; and (3) students who desire a liberal arts base for later advanced specialization; *i.e.*, musicologist, composer, music librarian and college music teacher.

REQUIREMENTS FOR CONCENTRATION

The basic requirements for concentration in Music include 12 credits in Music Theory (Music 201, 202, 301, and 302); 6 credits in Music History (Music 311 and 312); 8 credits in Applied Music Instruction; and other credits in music for a maximum aggregate of 42 as indicated in the special concentration programs or in consultation with the Head of the Department. Proficiency at the Elementary Piano level is considered basic to all programs and is a requirement for graduation. All concentrators in Music are expected to participate in a senior recital, in lieu of which a term paper, an instrumental or choral arranging project, or an original musical composition may be accepted.

Concentrators in Music Education are required to complete Senior level Applied Music Instruction courses in their major applied music field for graduation. In addition, they should complete courses in both instrumental and vocal techniques.

Prospective music teachers are urged to begin the study of music as early as possible. It is not ordinarily possible to complete the requirements for certification in Virginia in less than a three-year period.

Students preparing for the Virginia State Collegiate Professional Certificate are required by the Virginia Board of Education to qualify in general as indicated in the Education section of this catalogue.

SPECIAL CONCENTRATION PROGRAMS IN PREPARATION FOR THE VIRGINIA COLLEGIATE PROFESSIONAL CERTIFICATE IN MUSIC

ELEMENTARY

Applied Music Ensemble	2-3	
Music 327—Choral Conducting	}	1
or		
Music 328—Instrumental Conducting	}	3
Music 321—Music in the Elementary School		
Music 323, 324, 325—Instrumental Techniques	}	6-7
or		
2 Semesters of Instrumental Techniques	}	6-7
and		
Music 326—Choral Materials and Procedures	}	16-17

SECONDARY

Applied Music (In addition to basic requirements)		
Instruction	2	
Ensemble	4	
Music 327—Choral Conducting	}	1
or		
Music 328—Instrumental Conducting	}	3
Music 322—Music in Secondary School		
Music 323, 324, 325—Instrumental Techniques	}	6-7
or		
2 Semesters of Instrumental Techniques	}	6-7
and		
Music 326—Choral Materials and Procedures	}	16-17

RECOMMENDED PROGRAMS FOR THE FIRST TWO YEARS IN ELEMENTARY MUSIC EDUCATION

FRESHMAN YEAR

English 101, 102	6
Foreign Language	6-8
Physics 103, 104 is recommended; or Biology, Chemistry, or Geology	10
Music 201, 202—Theory I	6
Applied Music Instruction	2
Physical Education	2
	32-34

SOPHOMORE YEAR

English 201, 202	6
Foreign Language	6
History 101, 102	6
Music 301, 302—Theory II	6
Music 323, 324—Instrumental Techniques	4
Applied Music Instruction (Piano)	2
Physical Education	2

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For an emphasis in teaching instrumental music in the Secondary Schools, it is recommended that Applied Music Instruction (on the major instrument) for 2 credits, 1 each semester, be added to the sophomore year program.

For an emphasis in teaching vocal music in the Secondary Schools, it is recommended that Applied Music Ensemble for 2 credits, 1 each semester, be added to the freshman year program. In the sophomore year, Applied Music Ensemble for 2 credits, 1 each semester.

SPECIAL CONCENTRATION PROGRAMS IN
THEORY AND MUSIC HISTORY AND LITERATURE

THEORY

Music 401, 402—Form and Analysis	4
Music 403, 404—Choral Arranging and Orchestration	4
Music 405 and 406—Counterpoint	4
Music 411, 412—Advanced Studies in Music History and Literature or	}
Music 413, 414—Problems in Music	

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MUSIC HISTORY AND LITERATURE

Music 403—Choral Arranging	}	2
or		
Music 404—Orchestration	}	2
Music 405—Counterpoint		
or	}	6
Music 406—Counterpoint		
Music 411, 412—Advanced Studies in History and Literature		6
Music 413, 414—Problems in Music		6

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To the program as recommended for the first two years in Elementary Music Education, the following additions and changes should be made for an emphasis in either Theory or History and Literature: Humanities 201, 202 may be an alternate selection for English 201, 202. Music 323, 324 (Instrumental Techniques) should be deleted from the program.

DESCRIPTION OF COURSES

THEORY

101. Introduction to Theory. Lectures two hours; two credits. MR. STEWART.

Fundamental terms and concepts of music, the elements of notation, scales and tone systems. May not be included in music concentration.

102. Introduction to Form and Style. Lectures two hours; two credits. MR. STEWART.

The underlying principles of musical structure. May not be included in music concentration.

***201, 202. Theory I.** Continuous course; lectures two hours; three credits each semester. Lab two hours. MR. STEWART.

Review of theory fundamentals; elementary harmony; the uses of triads, seventh chords and non-chord tones are learned through exercises, dictation, ear training and keyboard harmony.

301, 302. Theory II. Continuous course; lectures three hours; three credits each semester. Prerequisites: Music 201, 202. MR. STEWART.

Advanced harmony, dealing with simple and extended alteration, secondary dominants, and advanced modulation. Second semester, application of harmonic techniques to elementary composition.

401, 402. Form and Analysis. Continuous course; lectures two hours; two credits each semester. Prerequisites: Music 301, 302.

The structural processes and forms of music, studied through analysis of examples of various periods and styles.

403, 404. Choral Arranging and Orchestration. Lectures two hours; two credits each semester. Prerequisite: Music 301. MR. TRUESDELL and MR. STEWART.

First semester, choral arranging; second semester, orchestration.

405, 406. Counterpoint. Lectures two hours; two credits. Prerequisite: Music 301, 302. MR. STEWART, MR. TRUESDELL.

First semester; counterpoint in the style of J. S. Bach.

Second semester; counterpoint in the sixteenth century style of the motet, the madrigal and the Mass.

MUSIC HISTORY AND LITERATURE

211, 212. Introduction to Music. Continuous course; lectures two hours; listening and quiz one hour; three credits each semester. MR. PALEDES.

This course is designed to meet the needs of students interested in music, without regard to previous training and experience. It is not open to juniors or seniors concentrating in Music. The course traces the development of the art of music through the various historical periods, and familiarizes the student with the more important composers and their works. A synopsis of style, form, and theory is included. The first semester goes to 1800; the second semester, from 1800 to the present.

***311, 312. History.** Continuous course; lectures three hours; three credits each semester. Prerequisite: Music 201-202. MR. TRUESDELL.

First semester, Ancient Greeks to 1750; second semester, 1750 to present. Includes readings, reports, notated and recorded examples of all periods of western cultures.

313. Great Composers. First semester; lectures two hours; two credits. MR. TRUESDELL.

Major composers and works representative of various styles will be studied. The course is conducted on an intermediate level, and is not open to Music concentrators. (Not offered in 1967-68.)

314. The Symphony. Second semester; lectures two hours; two credits. MR. TRUESDELL.

A study of representative symphonic works of various periods; their style, form and orchestral setting. The course is conducted on an intermediate level, and is not open to Music concentrators. (Not offered in 1967-68.)

315, 316. Opera. Lectures two hours; two credits. MR. TRUESDELL.

Plots, music, and background of selected masterpieces from the standard operatic repertoire. First semester; Italian *bel canto* and French Grand Opera. Second semester; German Romantic Opera, Wagner, Strauss, Nationalists, and Modern developments. Each semester's work represents an individual unit, conducted on an intermediate level, and not open to Music concentrators.

***411, 412. Advanced Studies in the History of Music.** Either semester. Two or three credits. For seniors only. Prerequisite: 311, 312. MR. TRUESDELL.

Investigation of a particular period, type or style of music; *i.e.*, Renaissance, opera, J. S. Bach, etc.

†413, 414. Problems in Music. Either semester; two or three credits per semester. For seniors only. STAFF.

Individual advanced work under the direction of the instructor.

MUSIC EDUCATION

320. Music for Elementary School Teachers. Both semesters; lectures three hours; three credits. MR. VARNER.

A course designed for prospective general teachers in the elementary grades. Not open to Music concentrators.

***321. Music in the Elementary School.** First semester; lectures three hours; three credits. MR. VARNER.

Problems confronting the teacher of music in the elementary schools, and methods of instruction appropriate to the several grades. Primarily for Music concentrators.

***322. Music in the Secondary School.** Second semester; lectures three hours; three credits. MR. VARNER.

Materials and methods of instruction on the secondary school level.

***323, 324, 325. Instrumental Techniques, Materials, and Methods.** Lectures two hours; two credits each semester. MR. VARNER.

Three semesters are assigned, one each to woodwinds, brass, and strings; the development of performance skills and a study of the materials and methods of teaching. Percussion is correlated throughout the three semesters.

***326. Choral Materials and Procedures.** First semester; lectures three hours; three credits. Prerequisite: Music 201, 202. MR. FEHR.

A study of vocal and choral techniques and teaching methods.

***327, 328. Choral and Instrumental Conducting.** Lecture one hour; one credit each semester. Prerequisite: Music 201, 202. MR. FEHR and MR. VARNER.

Study and practice in the techniques of the baton; problems of organizing musical groups.

†521, 522. Graduate Seminar in Music. Three credits per semester. STAFF.

Individual advanced work under the direction of the instructor.

APPLIED MUSIC

The College offers individual and group instruction in Voice, and individual instruction in Piano, Organ, Strings, Woodwinds, Brass, and Percussion.

A maximum of 10 credits may be earned through instruction courses, and a maximum of four credits may be earned through membership in musical organizations. Prerequisite or corequisite for all credit courses in Applied Music is a course in Music Theory. No credit in Applied Music is given until this requirement has been satisfactorily completed. Approval of the Head of the Department is required for all courses and ensembles in Applied Music except auditors in band, orchestral and choral organizations.

Students will be assigned to the course for which they are qualified on the basis of a placement test. Applied Music as an elective earns one credit. Advanced students meeting exceptional standards and requirements may earn two credits.

Individual instruction in Applied Music is on the basis of 30-minute private lessons once or twice weekly. Minimum preparation for each 30-minute lesson per week is one hour of daily practice.

Schedule of Fees Per Semester

One hour of group instruction per week.....	\$28.00
One 30-minute individual lesson per week.....	57.00
Two 30-minute individual lessons per week.....	94.00

ENSEMBLE

*131. Band	1 credit	MR. VARNER
*132. Choir	1 credit	MR. FEHR
*133. Chorus	1 credit	MR. FEHR
*134. Orchestra	1 credit	MR. STEWART
†135. Small Ensembles	1 credit	STAFF

CLASS

†Voice Class. MR. FEHR.

- 141. I, II. Elementary Voice Class. One or two credits.
- 241. I, II. Intermediate Voice Class. One or two credits.
- 341. I, II. Advanced Voice Class. One or two credits.

INDIVIDUAL INSTRUCTION

†Voice 051-451. MR. FEHR.

- 051. Preparatory Voice. No credit.
- 151. I, II. Elementary Voice. One or two credits.
- 251. I, II, III, IV. Intermediate Voice. One or two credits.
- 351. I, II. Senior Voice. One or two credits.
- 451. I, II, III, IV. Advanced Voice. One or two credits.

†Piano 052-452. MRS. CATRON. MR. PALEDES and MR. TRUESDELL.

- 052. Preparatory Piano. No credit.
- 152. I, II. Elementary Piano. One or two credits.
- 252. I, II, III, IV. Intermediate Piano. One or two credits.
- 352. I, II. Senior Piano. One or two credits.
- 452. I, II, III, IV. Advanced Piano. One or two credits.

†Organ 053-453. MR. DARLING.

- 053. Preparatory Organ. No credit.
- 153. I, II. Elementary Organ. One or two credits.
- 253. I, II, III, IV. Intermediate Organ. One or two credits.
- 353. I, II. Senior Organ. One or two credits.
- 453. I, II, III, IV. Advanced Organ. One or two credits.

†Strings 054-454. MR. STEWART.

- 054. Preparatory Strings. No credit.
- 154. I, II. Elementary Strings. One or two credits.
- 254. I, II, III, IV. Intermediate Strings. One or two credits.
- 354. I, II. Senior Strings. One or two credits.
- 454. I, II, III, IV. Advanced Strings. One or two credits.

†Woodwinds 055-455. MR. VARNER.

- 055. Preparatory Woodwinds. No credit.
- 155. I, II. Elementary Woodwinds. One or two credits.
- 255. I, II, III, IV. Intermediate Woodwinds. One or two credits.
- 355. I, II. Senior Woodwinds. One or two credits.
- 455. I, II, III, IV. Advanced Woodwinds. One or two credits.

†Brass 056-456. MR. KOMAN.

- 056. Preparatory Brass. No credit.
- 156. I, II. Elementary Brass. One or two credits.
- 256. I, II, III, IV. Intermediate Brass. One or two credits.
- 356. I, II. Senior Brass. One or two credits.
- 456. I, II, III, IV. Advanced Brass. One or two credits.

†Percussion 057-457. STAFF.

- 057. Preparatory Percussion. No credit.
- 157. I, II. Elementary Percussion. One or two credits.
- 257. I, II, III, IV. Intermediate Percussion. One or two credits.
- 357. I, II. Senior Percussion. One or two credits.
- 457. I, II, III, IV. Advanced Percussion. One or two credits.

Philosophy

PROFESSORS MACDONALD (*Head of the Department*), and LACHS.
ASSOCIATE PROFESSOR FOSTER. ASSISTANT PROFESSORS HEARN,
LEACH, McLANE, PEARCE, and REED.

REQUIREMENTS FOR CONCENTRATION

Students concentrating in Philosophy must take at least 27 credits in Philosophy and three in Psychology. The 27 credits in Philosophy must include Philosophy 201, 202 (The History of Philosophy) and Philosophy 301 (Introduction to Logic).

DESCRIPTION OF COURSES

101, 102. Analysis of Concepts. Continuous course; discussion three hours; three credits each semester. Prerequisite: Freshman standing and consent of the instructor. MR. HEARN.

An introduction to techniques of philosophical analysis through practice in their application to some of the concepts fundamental to Western thought such as: freedom, individuality, nature, symbol, knowledge, law, infinity, education, and value. Informal explication of selected concepts will aim at standards of rigor and precision comparable to what is demanded in the analysis of concepts in formal systems such as natural science and mathematics.

201, 202. The History of Philosophy. Continuous course; lectures three hours; three credits each semester. MR. MACDONALD and STAFF.

An historical introduction to philosophy with readings from Plato, Aristotle, Lucretius, and St. Thomas Aquinas during the first semester; and from Descartes, Locke, Berkeley, Hume, Kant and Schopenhauer during the second semester.

211, 212. Sophomore Seminar in Philosophy. Continuous course; seminar two hours; two credits each semester. Prerequisite: Consent of the instructor. MR. FOSTER.

Directed reading, discussion and presentation of papers on selected topics in philosophy. Enrollment is limited to approximately twelve students.

301. Introduction to Logic. Both semesters; lectures three hours; three credits. MR. FOSTER, MR. LEACH, MR. McLANE, MR. PEARCE and MRS. REED.

An introduction to principles of valid reasoning with special emphasis on modern symbolic techniques and their uses.

302. Intermediate Logic. Second semester; lectures three hours; three credits. MR. PEARCE.

A continuation of Phil. 301.

303. Ethics. Both semesters; lectures three hours; three credits. MR. HEARN and MR. McLANE.

A consideration of problems and theories about such topics as good and evil, right and wrong, pleasure, choice, duty, happiness and the good life.

304. Aesthetics. Second semester; lectures three hours; three credits. MR. FOSTER.

A philosophical analysis of the nature of aesthetic experience and its object, with a consideration of apprehension and judgment, concepts and criteria, and meaning and truth in the arts.

305. Social and Political Ideologies. Second semester; lectures three hours; three credits. MR. LACHS.

An examination of the philosophical background of European social and political theories of the past one hundred years. Analysis of selected writings of such philosophers as Hegel, Marx, Nietzsche and Spencer.

306. Contemporary Philosophy. Second semester; lectures three hours; three credits. MR. MACLANE.

An examination of major philosophical writings since 1930.

307. Philosophy of the Recent Past. First semester; lectures three hours; three credits. Prerequisites: Philosophy 201, 202. MRS. REED.

An examination of the developments of philosophical thought from approximately 1900 to 1930 (e.g., idealism, realism, pragmatism, voluntarism, logical atomism) with selected readings from the works of representative philosophers of the period.

308. Continental Rationalism. First semester; lectures three hours; three credits. MR. FOSTER.

Study of the philosophical systems of Descartes, Spinoza and Leibniz.

309. Existentialism and Phenomenology. First semester; lectures three hours; three credits. Prerequisites: Philosophy 201, 202. MR. McLANE.

An examination of important aspects of these two philosophical movements with readings in such philosophers as Kierkegaard, Nietzsche, Husserl, Jaspers, Heidegger, Sartre, and Merleau-Ponty. Some attention will also be given to the impact of existentialism and phenomenology upon contemporary literature, religious thought, and psychology.

310. Philosophy of Religion. Second semester; lectures three hours; three credits. MRS. REED.

A philosophical investigation of the nature of religious experience, activity, and belief including the examination of such concepts as God, freedom and immortality as they appear in religion.

312. Philosophical Problems. First semester; lectures three hours; three credits. Prerequisites: Philosophy 201, 202. MR. PEARCE.

A study of major philosophical problems, such as methods of philosophy and science, problems of knowledge and reality, morality and conduct, and art and beauty.

321. Philosophy of Science. Second semester; lectures three hours; three credits. Prerequisites: Philosophy 201, 202 or Physics 101, 102 or Physics 103, 104. MR. McKNIGHT¹ and MR. McLANE.

¹Associate Professor of Physics.

A philosophical consideration of the methods, assumptions and logic of modern science. Certain historical and structural relations of mathematics, and physical, biological and social sciences will be examined through representative readings. The contribution of modern science to philosophy will be appraised (Same as Physics 321.) (Not offered 1966-67.)

322. Philosophy of Social Science. Second semester; lectures three hours; three credits. MR. LEACH.

An examination of theories and methods in the social sciences and history. A comparison with the natural sciences is emphasized through consideration of such philosophic topics as the nature of explanation, concept formation, confirmation of theories and the relation of objective values. (Not offered 1966-67.)

395. Junior Tutorial Seminar in Philosophy. Second semester; three hours; three credits. STAFF.

A preparatory course for Honors or advanced work in Philosophy. Supervised study directed toward acquiring a comprehensive familiarity with basic philosophic literature and precision in the conceptual formulation of philosophic issues through oral discussion and written papers.

401. Metaphysics. First semester; lectures three hours; three credits. Prerequisites: Phil. 201, 202. MR. LACHS.

An examination of theories concerning such topics as being and nothingness, substance and accident, essence and existence, universals and particulars and mind and body.

402. Medieval Philosophy. Second semester; lectures three hours; three credits. MRS. REED.

Analysis of selected writings of major medieval philosophers such as Augustine, Scotus, Erigena, Anselm, Maimonides, Bonaventura, and Aquinas. (Not offered 1966-67.)

403. Theory of Knowledge. First semester; lectures three hours; three credits. Prerequisites: Phil. 201, 202. MR. LACHS.

An examination of theories concerning such topics as the nature and criteria of truth, perception and cognition, the nature and limits of knowledge, and verification and meaning.

†405. **Advanced Reading in Philosophy.** Any semester; hours to be arranged; credit according to the work done. STAFF.

Individually supervised readings on special topics for advanced students. Prerequisite: Four courses in philosophy and permission of the department.

406. British Empiricism. Second semester; lectures three hours; three credits. Prerequisites: Phil. 201, 202. MRS. REED.

A study of the philosophical writings of Locke, Berkeley, and Hume.

407, 408. Senior Seminar in Philosophy. Continuous course; seminar three hours; three credits each semester. MR. MACDONALD and MR. HEARN.

A meeting of the Faculty of the Department with advanced students for the purpose of philosophical investigation. An important modern philosophical work is examined each semester and students are required to write and present papers for critical discussion.

411-415. The Great Philosophers. Each course one semester; lectures three hours; three credits. Prerequisites: Philosophy 201, 202. STAFF.

In general it is the plan of the department to offer one or two of the following courses each year:

411. The Philosophy of Plato.

412. The Philosophy of Aristotle.

413. The Philosophy of Spinoza.

414. The Philosophy of Hume.

415. The Philosophy of Kant.

452. Philosophy of History. Second semester; seminar three hours; three credits. Prerequisite: consent of the instructor. MR. LEACH and MR. BRENT.¹

¹Associate Professor of History.

An investigation of philosophic theories concerning the nature of historical understanding. Consideration will be given to theories of historical development, the nature of historical change, explanation, causation, and objectivity. Special emphasis will be placed upon the methodological significance of chronicling, describing, explaining, and predicting. (Same as History 452.)

HONORS STUDY

495-496. Honors. Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Honors Study in Philosophy will be enrolled in this course during both semesters of their senior year. The course comprises (a) supervised reading in the field of the student's major interest; (b) supervised reading of works selected from a general bibliography in the field of concentration; (c) satisfactory completion of a comprehensive examination covering Logic, History of Philosophy, Ethics or Aesthetics and Metaphysics or Theory of Knowledge; (d) the preparation and presentation by May 1 of an Honors Essay.

Physical Education for Men

PROFESSOR SMITH (*Head of the Department*), ASSOCIATE PROFESSOR JENSEN. ASSISTANT PROFESSORS AGEE, LINKENAUER, HOOKER and WITTEN. INSTRUCTORS CARPENTER, DERRINGE, GROVES, JAMES, HARVEY and VAUGHN. COLLEGE PHYSICIANS DeBORD, M.D., and BROWN, M.D.

REQUIREMENTS FOR CONCENTRATION

The minimum number of semester credits required for concentration in Physical Education is 34 and must include Physical Education 203, 308, 310, 313, 413, 316, 412, 408, 411, 494 and Biology 307 and 308. All courses except Physical Education 203 and 208 of the concentration program must be taken during the student's junior and senior years.

Students may elect to take either the B.S. degree or the A.B. degree.

Those students desiring to meet the professional requirements for certification in the State of Virginia should plan their programs with the head of the Department of Physical Education. Students enrolling in professional courses to meet certification requirements in other states should first consult a member of the faculty of the Department of Education.

PROGRAM FOR ADVANCED STUDY

Students who are qualified for advanced study and who have satisfied admission requirements may register for the Master of Arts Degree with concentration in Physical Education or for the degree of Master of Education with emphasis in Education and Physical Education as a related field. (See pages 108, 152-54.) A minimum residence period of one regular session or of four summer sessions of nine weeks is required.

In addition to the general requirements for admission established by the College, students desiring to enter upon graduate study in Physical Education should present satisfactory undergraduate work in Physical Education or related fields, from a recognized institution.

A minimum of 15 credits of the total 24 submitted for the Master of Arts degree must be in the department of concentration. Other courses should be selected from related departments such as Education, Sociology and Biology, or selected from additional courses in Physical Education. For special requirements of the M.Ed. degree, see page 154 and write to the Dean of the School of Education.

SPECIAL CONCENTRATION PROGRAM LEADING TO STATE CERTIFICATION

FRESHMAN YEAR			
<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Biology 101, or Chemistry 101, or Physics 101, 103	5	Biology 102, or Chemistry 102, or Physics 102, 104	5
English 101	3	English 102	3
Language	3 or 4 ¹	Language	3 or 4 ¹
Mathematics 101	3	Mathematics 102	3
Physical Education 101	1	Physical Education 102	1
Elective	2	Elective	2
<hr/>		<hr/>	
Total Semester Credits...15 to 18		Total Semester Credits...15 to 18	

SOPHOMORE YEAR			
English 201	3	English 202	3
Economics 201..	Two of Four 6	Economics 202..	Two of Four 6
Government 201		Government 202	
History 102.....		History 102.....	
Sociology 201...		Sociology 202...	
Language	3 or 4 ¹	Language	3 or 4 ¹
Physical Education 203	3	Physical Education 208	3
Physical Education 201	1	Physical Education 202	1
Elective	2	Elective	2
<hr/>		<hr/>	
Total Semester Credits...15 to 18		Total Semester Credits...16 to 19	

JUNIOR YEAR			
Biology 307	3	Biology 308	3
Education 301	3	Education S302	3
Physical Education 310	3	Physical Education 308	3
Physical Education 313	2	Physical Education 312	3
Physical Education 321	3	Physical Education 316	2
Elective	3-4	Elective	2-4
<hr/>		<hr/>	
Total Semester Credits...17 to 18		Total Semester Credits...16 to 18	

¹See pages 102-103.

SENIOR YEAR

<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
History 201	3	Education 411 or 404	3
Physical Education 494	3	Physical Education 408	3
Physical Education 411	3	Physical Education 412	2
Physical Education 413	2	Physical Education 414	2
Physical Education 415	3	Physical Education 416	3
Elective	3-4	Elective	3-4
<hr/>		<hr/>	
Total Semester Credits. .17 to 18		Total Semester Credits. .16 to 17	

NOTE: Electives may very well be used to make up a teaching minor. Possible minors are in language, mathematics, science, and social studies.

The above comprehensive program qualifies a person for a number of positions: teaching Physical Education in a consolidated school or a large secondary school; teaching Physical Education and a second subject in a small secondary school; coaching and directing athletics combined with the teaching of another subject or subjects; supervising physical education and recreation programs; summer camp work; and preparation for graduate study in Physical Education of Physical Therapy.

DESCRIPTION OF COURSES

Students concentrating in other departments may elect physical education courses according to interest or to prepare for teaching combinations, recreation work, or other related fields.

101, 102, 201, 202. Required Physical Education. Both semesters; three hours or two double periods; one credit each semester. STAFF.

All freshman and sophomore men must register for required Physical Education, and placement in activities will be based on the results of initial skill tests. Students with physical defects will be registered in a special adapted sports class on the recommendation of the college physician. Instruction is given in the following individual and group activities: advanced swimming and life saving, beginning swimming, badminton, basketball, golf, handball, soccer, softball, speedball, tennis, touch football, track and field, tumbling, volleyball, and wrestling. Each student must

attain a satisfactory degree of proficiency in one team or group activity, one individual indoor activity, one individual outdoor activity, and must pass a swimming test. A regulation uniform is required.

203. Playground and Recreational Activities. First semester; lectures and laboratory four hours; three credits. MR. AGEE.

Theory, practice, teaching fundamentals of basic skills and relays of low organization; team and individual activities for both elementary and secondary level. Physical fitness testing.

208. First Aid, Safety and Driver Education. Second semester; lectures and laboratory four hours; three credits. MR. JENSEN.

Advanced Red Cross First Aid, advanced certificate awarded upon successful completion of course; safety projects and problems; selection and organization of materials, methods, and techniques of driver education including behind the wheel instruction.

308. Applied Anatomy and Kinesiology. Second semester; lectures three hours; three credits. Prerequisite: Biol. 308. MR. LINKENAUER.

A study of the principles of human motion. Anatomical and mechanical analysis of individual skills in physical education activities.

310. History and Principles of Physical Education. Either semester; lectures three hours; three credits. MR. JENSEN.

An orientation course in the history and principles of physical education, health, and recreation.

312. Physical Education—General Theory. Second semester; lectures three hours; three credits. MR. SMITH.

Application of teaching fundamentals and techniques. Evaluation of test materials and measurement programs; curriculum construction.

313. Advanced Gymnastics and Wrestling. First semester; lectures and laboratory four hours; two credits. MR. WITTEN.

Tumbling stunts, trampoline, heavy apparatus and body conditioning skills. Pyramid building and exhibition planning. Theory, practice, and coaching of wrestling.

316. Theory and Coaching of Baseball, Track and Field. Second semester; lectures and laboratory four hours; two credits. MR. JONES and MR. GROVES.

Study of approved techniques in coaching baseball, track and field in all phases. Acquisition of advanced skills and competencies.

318. Sports Officiating. Either semester; lectures and laboratory four hours; two credits. MR. JONES.

Analysis of the rules, officiating techniques and problem solving in officiating team sports. A minimum of twelve contact hours of practical experience in supervised officiating in the intramural program is required.

321. Foundations of Health Education. Either semester; lectures three hours; three credits. MR. SMITH.

Instructional concepts applicable to health education for various age levels, organization of classes, selection of content and evaluation of outcomes. Survey of State Department publications and other resource material.

408. Organization and Administration of Health and Physical Education Programs. Second semester; lectures three hours; three credits. MR. SMITH.

Organizational and administrative policies and procedures for physical education, health, and intramural programs in junior and senior high schools.

409. Organization and Administration of Community Recreation Programs. First semester; lectures two hours; two credits. MR. GROVES.

Administrative policies and procedures; legal aspects; public relations; qualifications and duties of personnel; study of federal, state and local agencies.

411. Therapeutic Physical Education. First semester; lectures three hours; three credits. Prerequisite: Biol. 308. MR. SMITH and MR. LINKENAUER.

Physical examinations with emphasis placed on the recognition of normal and faulty postural conditions at various age levels. Special attention given to remedial exercises and adaptive activities, theory and practice of taping and massage, techniques and modalities in physical therapy and their application to physical education injuries.

412. Theory and Coaching of Football and Basketball. Second semester; lectures and laboratory four hours; two credits. MR. AGEF.

Theory, practice, and coaching methods; team problems.

413. Advanced Tennis and Golf. First semester; lectures and laboratory four hours; two credits. MR. DERRINGE and MR. AGEF.

Theory, practice and coaching methods and techniques.

414. Advanced Swimming and Rhythmics. Second semester; lectures and laboratory four hours; two credits. MR. WITTEN.

Theory, practice, coaching methods and techniques in swimming and diving. Red Cross Water Safety Instructor Certificate may be earned. Fundamental rhythmics, folk and square dancing.

415, 416. Student Teaching. Continuous course; five hours; three credits each semester. Prerequisites: senior standing, nine credits in Education; fifteen semester credits in Physical Education. MR. SMITH.

Daily observation and teaching at the laboratory school. Weekly conferences, special assignments and reports.

492. Physiology Activity. Graduate credit. Either semester; lectures three hours; three credits. Prerequisite: Biol. 305, or the equivalent. MR. LINKENAUER.

Physiological aspects of exercise, fatigue, coordination, training and growth; functional tests with normal and abnormal subjects; investigations and independent readings.

493. Philosophy and Literature in Health, Physical Education and Recreation. Graduate credit. Either semester; lectures three hours; three credits. MR. JONES.

Extensive readings, discussions and evaluations of historical and current philosophies and practices; educational implications of problems facing the separate fields.

494. Test and Measurements in Health, Physical Education and Recreation. Either semester; lectures three hours; three credits. Prerequisite: Education 414 or approval of instructor. MR. WITTEN.

Evaluation techniques which may be employed in health education and physical education. Emphasis is placed on tests of physical fitness, sports ability, body mechanics, growth, and written health tests. History of tests and measurements, organization of tests and measurements program and classification and grading practices.

502. Problems and Research in Health, Physical Education and Recreation. Either semester; lectures three hours; three credits. Prerequisite: Education 501 or the equivalent. MR. SMITH.

The application of various methods and statistical techniques as most commonly used in physical education research. Limited research studies and problems are conducted in the three areas.

503. Seminar in Advanced Techniques in Sports. Either semester; lectures three hours; three credits. MR. HOOKER.

Consideration given to the designing of plays, types of strategy, and instruction and handling of players.

506. Administration and Supervision in Physical Education, Health and Recreation. Either semester; lectures three hours; three credits. MR. SMITH.

Problems of administration and supervision in the three areas, modification of programs to fit the facilities available, curriculum planning, grading procedures and techniques of instruction.

508. Health Coordination. Either semester; lectures three hours, three credits. MR. SMITH.

Factors of school and community activities related to health. Relationships of the service, instructional, protective, and guidance phases in the health program.

MEDICAL ATTENTION

The College will not be responsible for doctors' bills for medical attention of any kind for students who are injured in Intramural Sports, Intercollegiate Athletics or Physical Education classes, except such attention as is furnished by the College physician and resident nurses.

Physical Education for Women

ASSOCIATE PROFESSOR REEDER (*Head of the Department*). ASSISTANT PROFESSORS BARRETT, CROWE, HAUSSELMANN, ROBY and WALLACE. INSTRUCTORS CORBETT and TOMLINSON. COLLEGE PHYSICIAN DeBORD, M.D.

All freshmen and sophomores must register for Physical Education. Proficiency must be established in team sports, individual sports, swimming, and dance. Placement in activities is based upon recommendation of the college physician. A regulation uniform is required.

DESCRIPTION OF COURSES

101. Team Sports. Both semesters; two double periods; one credit. MRS. CORBETT, MISS CROWE, MISS HAUSSELMANN, MISS REEDER and MISS TOMLINSON.

Seasonal activities; hockey, basketball, volleyball, and lacrosse.

102. Dance. Both semesters; two double periods; one credit. MISS ROBY and MISS WALLACE.

Fundamentals of modern dance.

†145, 146. Adapted Activities. First and second semester; two double periods, one credit each semester. MISS REEDER.

Upon recommendation of the College physician these courses may be substituted for required courses.

†195, 196. Selected Sports and Dance Activities. First and second semester; two double periods; one credit. MISS REEDER.

Upon recommendation of the head of the Department, these courses (designed for proficient students) may be submitted for required courses.

201. Swimming. Both semesters; two double periods; one credit. MISS BARRETT, MRS. CORBETT and MISS TOMLINSON.

Safety skills, standard swimming strokes, diving, life saving techniques.

202. Individual Sports. Both semesters; two double periods; one credit. MISS BARRETT, MISS CROWE, MISS HAUSSERMANN, MISS REEDER and MISS TOMLINSON.

Seasonal activities: archery, tennis, fencing, badminton, bowling, body mechanics, and golf.

ELECTIVE COURSES IN PHYSICAL EDUCATION FOR WOMEN

The following courses are intended to supplement the four semesters of required physical education and may be elected for academic credit. These courses are open to juniors and seniors, and may be elected concurrently with a required class by sophomores. Freshmen may elect these courses in addition to required work with permission of the head of the Department.

302. Waterfront Leadership. Second semester; lectures and laboratory, four hours; two credits. Prerequisite: Senior Life Saving (students should be at least nineteen years of age). MISS BARRETT.

Especially designed for students who wish to do camp and playground work and includes Instructor's courses of the American Red Cross.

303, 304. Coaching and Officiating of Selected Sports. Both semesters; lectures and laboratory four hours; two credits each semester. Prerequisite: Proficiency in two of the following sports: hockey, basketball, tennis, swimming, softball, and volleyball. MISS REEDER.

Theory and practice in the coaching and officiating of two seasonal sports each semester. Women's National Officials Rating Tests will be given.

305, 306. Dance Composition. Continuous course; lectures and laboratory, four hours; two credits each semester. Prerequisite: Physical Education 102. MISS ROBY.

First Semester: An introduction to the elements, materials and structure of a dance composition.

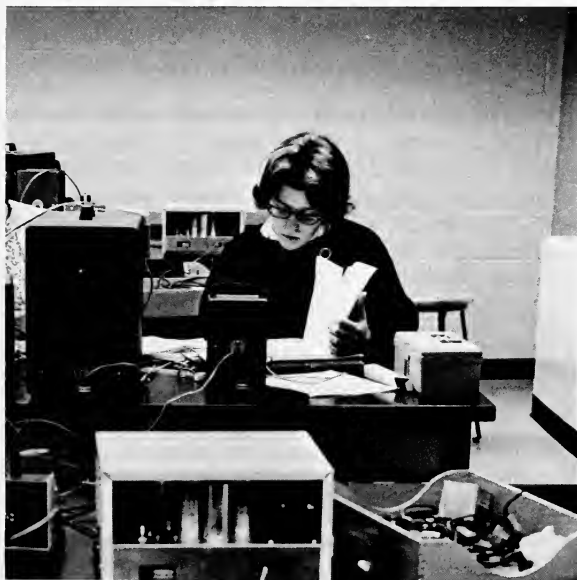
Second Semester: Composition of dance etudes; form and style related to other modern arts.

WOMEN'S SPORTS

Recreational activities are conducted under the auspices of the Women's Athletic Association, with executive power assigned to a committee of faculty and students. (See page 65.)

MEDICAL ATTENTION

The College will not be responsible for doctor's bills for medical attention of any kind for students who are injured in athletics or Physical Education classes, except such attention as is furnished by the College Physician and resident nurses.



Physics

PROFESSORS WINTER (*Chairman of the Department*), FEIX; MCLENNAN, PITTMAN and SIEGEL. ASSOCIATE PROFESSORS CRAWFORD, CROWNFIELD, FUNSTEN, LAWRENCE, MCKNIGHT, SMITH and WELSH. ASSISTANT PROFESSORS ECKHAUSE, GORDON, LONG, OFELT, PERDRISAT, and SCHONE. RESEARCH ASSOCIATE KANE.

REQUIREMENTS FOR CONCENTRATION

Students desiring to concentrate in Physics should take Physics 101 and 102 during their freshman year. The minimum number of semester credits required for concentration in Physics is 37, and must include Physics 101, 102, 203, 207, 208, 303, 304, 411, 412,¹ and 6 semester credits selected from Physics 405, 406, 407, 409. It is strongly recommended that the qualified student begin calculus in the freshman year.

DESCRIPTION OF COURSES

101, 102. General Physics. Continuous course; lectures four hours, laboratory two and one-half hours; five credits each semester. MR. SIEGEL, MR. LAWRENCE, MR. SCHONE, and STAFF.

Mechanics, heat, and sound first semester. Electricity, light and modern physics second semester. Required of all students concentrating in physics, all pre-medical students, and all students preparing for engineering.

Separate honors sections of this course are open to students who have had a strong high school course in physics and are concurrently enrolled in Mathematics 201. The laboratory of these special sections stresses the techniques of electronic measurement used in physics.

Students concentrating in one of the sciences or mathematics who choose physics for satisfying the distribution requirement, should enroll in Physics 101, 102, not Physics 103, 104.

¹Students enrolled in 495, 496 are not required to take Physics 411, 412.

103, 104. Elementary Physics. Continuous course; lectures four hours; laboratory two and one-half hours; five credits each semester. MR. CRAWFORD and STAFF.

A beginning course in College Physics satisfying the distribution requirements in the field of science. Designed for the non-science concentrator. Mechanics, heat and sound first semester; electricity, light and atomic physics second semester. Attention is given to the historical development and philosophical significance of physical concepts and theories. Applications to elementary problems. The role of physics in the modern world.

106. Descriptive Astronomy. Second semester; lectures three hours; three credits. STAFF.

Descriptive study of the solar system; theories of origin of the solar system. Star classification; descriptive studies of star clusters and galaxies. Recommended for science teachers. An elective course with no credit in physics.

203. Introduction to Modern Physics. First semester; lectures three hours; laboratory three hours; four credits. Prerequisite: two semesters in physics and calculus. MR. WELSH.

A consideration of selected topics including classical physics, electromagnetic radiation, wave and particle aspects of particles and quanta, the Rutherford-Bohr atom, many electron atoms, electrons and photons, radioactivity, nuclear reaction. Selected laboratory experiments with atoms, electrons, ions, and atomic spectra.

207. Geometrical and Physical Optics. Second semester; lectures three hours; laboratory three hours; four credits. Prerequisite: two semesters of physics and calculus. MR. PITTMAN and MR. CRAWFORD.

Geometrical optics; theory and use of the prism spectrometer; diffraction phenomena, interferometry; polarization phenomena; application of the theory of physical optics; experiments in optics and spectroscopy.

208. Mechanics. First semester; lectures three hours; three credits. Prerequisites: three semesters of physics and calculus. MR. WINTER.

Theoretical applications of the laws of mechanics; numerous problems in mechanics. The combination of Physics 208 and Physics 307 meets the mechanics course requirements for admission to junior class of engineering schools.

300. Mathematical Physics. Second semester; lectures three hours; three credits. Prerequisite: Mathematics 203. STAFF.

A consideration of mathematical principles from the viewpoint of applications to physical problems. Topics selected from ordinary differential equations and vector analysis. This course does not carry credit in physics.

302. Thermodynamics. Second semester; lectures three hours; three credits. Prerequisite: concurrent enrollment in Mathematical Physics 300 or Mathematics 302 or the consent of the instructor. STAFF.

Theory of thermodynamics. Applications of thermodynamics to ideal and actual systems.

303, 304. Electricity and Magnetism. Continuous course; lectures three hours; laboratory three hours; four credits each semester. MR. McLENNAN and MR. LONG.

Development of the theory of electricity and magnetism from fundamental principles employing vector treatment. This includes DC and AC circuit theory and analysis and an introduction to Maxwell's equations.

Laboratory training includes DC and AC electrical measurements and an introduction to electronics.

307. Engineering Mechanics. Second semester; lectures three hours; three credits. Prerequisite: Physics 208. MR. SMITH.

Statics, dynamics, kinematics of rigid bodies; deformable media. Analytic and graphic methods of solution. Emphasis on application of basic principles to the solution of problems. (See Physics 208.)

321. Philosophy of Science. Second semester; lectures three hours; three credits. Prerequisites: Philosophy 201, 202 or Physics 101, 102, or Physics 103 or 104. MR. McKNIGHT or MR. McLANE.

A philosophical consideration of the methods, assumptions, and logic of modern science. Certain historical and structural relations of mathematics, and physical, biological, and social sciences will be examined through representative readings. The contribution of modern science to philosophy will be appraised. (Same as Philosophy 321.)

401. Mathematical Physics. First semester; lectures three hours; three credits. Prerequisite: Mathematical Physics 300 or the consent of the instructor. MR. CROWNFIELD.

A consideration of mathematical principles from the viewpoint of applications to physical problems. Topics selected from vector analysis, theory of complex variables, partial differential equations, orthogonal functions and operational methods. This course does not carry undergraduate credit in physics.

405. Introduction to Theoretical Physics I. First semester; lectures three hours; three credits. MR. OFELT and MR. McLENNAN.

Motions of particles and rigid bodies; Lagrange and Hamilton's Equations. Methods of vector calculus.

406. Introduction to Theoretical Physics II. Second semester; lectures three hours; three credits. MR. OFELT and MR. McLENNAN.

Thermodynamics; introduction to statistical mechanics; electrostatics; introduction to electrodynamics.

407. Modern Physics. Second semester; lectures three hours; three credits. MR. GORDON.

A comprehensive study of the concepts and experiments in relativity, radiation, quantum theories, quantum phenomena, atomic structure, spectra and nuclear phenomena.

409. Introduction to Quantum Mechanics. First semester; lectures three hours; three credits. Prerequisite: six semesters of physics. MR. WELSH.

Matrix mechanics. Representations. Approximation and perturbation methods. Scattering theory, partial wave analysis. Spin, identical particles. Semi-classical treatment of the radiation field.

411, 412. Problems in Physics. A continuous course; laboratory six hours; one credit per semester. MR. MCKNIGHT and STAFF.

An introduction to research techniques in physics. Required of all physics majors.

413. Nuclear Physics. Second semester; lectures three hours; three credits. MR. FUNSTEN.

Fundamental properties of nuclei, nuclear forces, nuclear reactions, elementary description of nuclear models, interaction of radiation with matter, radioactivity. Brief introduction to nuclear measurement equipment, particle accelerators and high energy experimental nuclear physics.

414. Nuclear Physics Laboratory. Second semester; laboratory three hours; one credit. MR. CROWNFIELD and STAFF.

Introduction to the experimental apparatus of nuclear physics, geiger counters, scintillation counters, solid state detectors, amplifiers, pulse height analyzers, etc. Interaction of radiation with matter, alpha, beta and gamma ray absorption, neutron scattering, neutron activation analysis. Mössbauer Effect. Counting statistics and the treatment of experimental data.

495, 496. Honors. Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Honors Study in Physics will be enrolled in this course during both semesters of their senior year. Each candidate will be responsible for (a) reading and discussion of a selected list of books in some specific area of the literature of physics; (b) the preparation and presentation by May 1 of an Honors Essay based on his own research or his part of a major research project; (c) satisfactory completion of a comprehensive examination in the field of the student's major interest.

MASTER OF ARTS AND MASTER OF SCIENCE DEGREE IN PHYSICS

ADMISSION AND REQUIREMENTS

The candidate for the degree of Master of Arts and Master of Science in Physics must meet the following requirements in addition to the general requirements stated on pages 108-109 of this catalogue:

1. After consultation with the Physics Department, the student may be required to take undergraduate courses in which his preparation is deemed inadequate.
2. The student must demonstrate a reading knowledge of French, German, or Russian, in the subject matter of Physics.
3. All graduate students are required to take an examination on the entire field of undergraduate physics. This examination is usually given during the first semester of graduate study.
4. The student is required to register for Physics 580 Colloquium, during a minimum of one semester of residence.
5. The thesis topic must be chosen and work begun in consultation with the Physics Department staff. Work completed while working elsewhere may be used as a thesis provided the above requirement is met.
6. Students enrolled in a program leading to the Master of Science degree are required to substitute eight semester hours of prescribed courses for the thesis.

DOCTOR OF PHILOSOPHY DEGREE IN PHYSICS

ADMISSION AND REQUIREMENTS

The degree of Doctor of Philosophy will be conferred upon candidates who are holders of an approved baccalaureate degree and who have fulfilled the following requirements:

1. The attainment of a reading knowledge of French and German sufficient to enable the student to use these languages for purposes of research. Russian may be substituted for either

French or German. This requirement must be met prior to taking the General Comprehensive Examination.

2. The successful completion of not less than three academic years of full-time graduate work, of which at least the last full academic year must be in residence at the College, of the program approved for the candidate by the Department of Physics and Graduate Studies Committee.

3. A satisfactory standing in the General Comprehensive Examination. A student may not begin work on a dissertation until this requirement is satisfied.

4. The preparation of a dissertation exhibiting independent research in the field of physics, to be submitted in completed form to the Thesis Committee of which the candidate research advisor is chairman. The dissertation must be presented in completed form to the Thesis Committee not later than May 1 of the final academic year of candidacy.

All dissertations must conform to the general thesis requirements of the College and will be published by having a master microfilm made from the original which will be serviced and stored by "University Microfilms" of Ann Arbor, Michigan. Each dissertation must be accompanied by two copies of an abstract of 600 words or less. This abstract will be published in microfilm abstracts for national distribution. A fee of \$25 for the above services must be paid by the candidate before the Doctor of Philosophy Degree will be conferred.

5. A satisfactory standing in a final oral examination before the Physics Department faculty and other members of the College faculty and scientific community. No candidate will be admitted to this final examination until his dissertation has been submitted in complete form.

All requirements for the doctorate degree must be completed within seven years from the time of admission to graduate studies.

GRADUATE COURSES

501. Classical Mechanics. First semester; lectures three hours; three credits. Prerequisite: Physics 405. MR. LAWRENCE.

505, 506. Classical Electricity and Magnetism. Continuous course; lectures three hours; three credits each semester. Prerequisite: Physics 405, 406. MR. FUNSTEN.

510. Quantum Mechanics. Second semester; lectures three hours; three credits. Prerequisite: Physics 409. MR. WELSH.

511, 512. Advanced Quantum Mechanics. Continuous course; lectures three hours; three credits each semester. Prerequisite; Physics 510. MR. ECKHAUSE.

516, 517. Statistical Physics and Thermodynamics. Lectures three hours; three credits each semester. Prerequisite: Physics 409 and Physics 501. MR. FEIX.

521, 522. Mathematical Physics. Continuous course; lectures three hours; three credits each semester. MR. McKNIGHT.

531, 532. Solid State. Two semesters; lectures three hours; three credits each semester. Prerequisite: Physics 409. MR. SCHONE.

541, 542. Advanced Nuclear Physics. Lectures three hours; three credits each semester. Prerequisites: Physics 409, 413, 510. MR. WINTER.

543. Introduction to Elementary Particle Physics. Lectures three hours; three credits either semester. MR. SIEGEL.

545, 546. High Energy Physics. Lectures three hours; three credits each semester. STAFF.

555. Atomic Spectroscopy. First semester; lectures three hours; three credits. Prerequisite: Physics 409. MR. OFELT.

556. Molecular Spectroscopy. Second semester; lectures three hours; three credits. Prerequisite: Students are strongly advised to have completed Physics 555 before enrolling in this course. MR. OFELT.

561. Introduction to Astrophysics. First semester; lectures three hours; three credits. Prerequisite: Physics 407, 409, 501. MR. LAWRENCE.

564. Physics of the Upper Atmosphere. Lecture three hours; three credits. MR. LAWRENCE.

571. Theory of Ionized Gases. Second semester; lectures three hours; three credits. Prerequisite: consent of the instructor. MR. CROWNFIELD.

572. Plasma Physics. Lecture three hours; three credits. This course may be repeated for credit when the instructor determines that this will not be prohibited by duplication of material. MR. FEIX.

580. Colloquium. All semesters; hours to be arranged.

585. Research. Any semester; hours and credits to be arranged.

560. Thesis. Hours to be arranged.

591. Special Topics in Physical Optics. First semester; lecture three hours; three credits. MR. GORDON.

592. Applied Spectroscopy. Second semester; lectures three hours; three credits. MR. GORDON.

660. Thesis. Hours to be arranged.

<p>Complete course descriptions for graduate courses are contained in the Graduate Studies Bulletin. For a copy of this Bulletin, write to the Dean of Graduate Studies.</p>
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Psychology

PROFESSORS WILLIAMS (*Head of the Department*), LAMBERT, HARCUM and JOHNSTON. ASSOCIATE PROFESSOR DERKS. ASSISTANT PROFESSORS McKENNA, FRIEDMAN, NORMAN, SHEAN, and McCONNELL. ACTING ASSISTANT PROFESSOR SQUIRES. LECTURERS ASHBURY and HAMMACK. LABORATORY TECHNICIAN DAW.

REQUIREMENTS FOR CONCENTRATION

Degree of Bachelor of Arts: 30 credits in psychology including 301-302, 331, one senior course (403, 404, 410, 431); two seminars, 420, one in each of the last two semesters, and one hour of Research, 421, in the first semester of the senior year. No more than eight credits, nor fewer than three credits, of introductory courses in psychology may be included in the 30 credits.

Degree of Bachelor of Science: Concentration requirements for the B.S. are those listed above for the A.B. but in addition the student must meet the distribution requirements for the B.S. degree (pages 102-103). The preferred science is Biology.

Normal Program for Concentration: Sophomore year 201-202; Junior year 301, 302, 331 and electives chosen from the intermediate courses; Senior year at least five hours of intermediate or advanced courses each semester including 420 and 421 the first semester, 420 the second semester, and one advanced course either semester. 204 may be substituted for 201, and 211, 212 is recommended for the sophomore year. It is possible for a late starter to enter the junior year with one introductory course. The junior year is intended as the base of the concentration and the senior year as its essential capstone with emphasis on seminars and research. The first semester senior registers for at least one hour of Research, 421, and writes an independent research paper to be read by the faculty as a whole.

Students who expect to enter psychology as a profession are advised to continue graduate study toward the M.A. or the Ph.D. degree. Whether or not they concentrate in psychology in college, they will be expected by most graduate schools to have completed the equivalent of 301, 302 and 331 as a minimal prep-

aration in experimental psychology and statistics and many graduate schools will require 403 and 404.

INTRODUCTORY COURSES

Of these courses, no more than eight hours can be counted toward the degree, nor may any one be taken by students who have already taken two or more courses in Psychology, except with special permission of the Head of the Department. Either 201 or 204, but not both, may be taken.

201. Principles of Psychology. Both semesters; lectures three hours; three credits. MR. DERKS, MR. WILLIAMS and MR. JOHNSTON.

A study of the basic principles of behavior according to the categories of general psychology: motivation, conditioning, learning, maturation, emotion, thinking, perception, intelligence and the organization of personality. A standard text will be read and a few demonstration experiments performed.

202. Contemporary Psychology. Both semesters; lectures three hours; three credits. Prerequisite: 201 or 204 or permission of the instructor. MR. FRIEDMAN, MRS. SQUIRES and MR. JOHNSTON.

A second course in psychology based on recent original literature in various fields. Normally taken after 201 or 204 and usually not open to upperclassmen except as an elective. A few demonstration experiments will be performed.

204. Introduction to Social and Personality Development. Both semesters; lectures three hours; three credits. MR. McKENNA.

An introduction to psychology through the study of the person and his social environment. The psychological attributes of the individual such as motivation, learning, emotion, thinking, perception, and intelligence will be studied. Emphasis will be placed on fundamental processes of personal growth and adaptation, and their relationships to both general and social psychology. A few demonstration experiments will be performed. An alternate to 201.

†211, 212. **Sophomore Research Seminar.** Both semesters; hours to be arranged; one credit. Regularly taken with Psychology 201, 202, or 204. Enrollment by invitation only. MR. DERKS.

An introduction to independent scholarship for the student beginning in Psychology. Recommended to concentrators.

INTERMEDIATE COURSES

Prerequisites: one introductory course required for all but 310 and 331. Ordinarily not eligible for graduate credit except with special permission.

301, 302. Experimental Psychology. Continuous course; lectures three hours; laboratory four hours; four credits. MR. HARCUM.

This course presents information obtained by psychological research on the various basic attributes of behavior, with emphasis on the methods by which the facts are obtained.

303. Industrial Psychology. First semester; lectures three hours; three credits. MRS. SQUIRES.

Psychology applied to industrial and military organizations. Types and uses of psychological tests in selecting and classifying personnel; methods of efficient work; the design of machines and communication systems for human use; industrial training.

304. Social Psychology. Both semesters; lectures three hours; three credits. MR. NORMAN.

An examination of the effect of a social environment on the perception, motivation, thought, and general behavior of the individual.

305. Abnormal Psychology. Both semesters; lectures three hours; three credits. MR. SHEAN.

A survey of behavior pathology emphasizing the neuroses and the functional psychoses and their relationship to current conceptions of normal personality functioning.

307. Developmental Psychology. Both semesters; lectures three hours; three credits. MR. McCONNELL.

A study of data and theory concerning the development of the individual from infancy to maturity. Cognitive, psychological and affective processes will be considered.

308. Psychology of Adolescence. Second semester; lectures three hours; three credits. MR. LAMBERT.

The psychology of personality development from late childhood to maturity.

310. History of Psychology. Second semester; lectures three hours; three credits. MR. WILLIAMS.

From Aristotle to 1935 with special emphasis on the 19th and early 20th century. No prerequisite.

***312. Educational Psychology.** Second semester; lectures three hours; three credits. MRS. SQUIRES.

Individual differences and principles of testing are emphasized.

331. Statistics, Measurement and Testing. Both semesters; lectures two hours, laboratory three hours; three credits. MR. FRIEDMAN.

An introduction to statistics, both descriptive and inferential, including non-parametric tests of significance and simple correlation. Basic principles of psychophysics and psychometric functions and their relation to theory and test construction and item analysis.

ADVANCED COURSES

Prerequisites: Eight hours of intermediate level courses or other evidence of maturity as a student of psychology or of cognate subjects. Courses can be taken for graduate credit. Senior concentrators in psychology are required to take at least one advanced course, one hour of research (first semester), one seminar each semester of their senior year, and no fewer than five hours total psychology each semester.

403. Systematic Psychology. First semester; lectures three hours; three credits. MR. DERKS.

A survey of contemporary theory in Psychology with emphasis on its empirical foundations and future possibilities.

404. Physiological Psychology. First semester; lectures three hours; three credits. MR. SHEAN.

A general information course designed to account for the various behavioral phenomena in terms of known and inferred physiological mechanisms.

410. Personality Theory. Second semester; lectures three hours; three credits. MR. McKENNA.

A survey of major historical and contemporary theories will be supplemented by intensive consideration of one or more current approaches to the understanding of personality. Reference will be made to both experimental and life history data.

431. Quantitative Methods. Second semester; lectures two hours; laboratory three hours; three credits. MR. FRIEDMAN.

An advanced course in statistics and experimental design.

SEMINARS AND INDEPENDENT STUDY

420. Topical Seminars. Both semesters; hours to be arranged; two credits. STAFF.

Each semester four or more seminars will be offered covering a variety of topics: perception, animal learning, human learning, language and thought, psychological testing, and great psychologists. Senior concentrators are required to take at least one seminar each semester and are encouraged to take more.

†421. Research Problems. Both semesters; hours to be arranged; credit according to work undertaken. STAFF.

Independent study which may consist of bibliographic or experimental research. Senior concentrators are required to take this course in the fall semester for at least one credit.

†495, 496. Honors. Continuous course; hours to be arranged; six credits. Prerequisite: Grade average of B during first two years or during junior year and permission of department. STAFF.

A student admitted to Honors Study is eligible for an award of Honors in Psychology on graduation. He will ordinarily be enrolled during both semesters of the senior year for three credits each semester. He may under special circumstances be enrolled only in the second semester for six credits.

Honors is independent study comprising (a) supervised reading in the field of the student's major interest, primarily in the original literature; (b) the preparation and presentation by May 1 of an Honors Essay based on the student's own research; and (c) satisfactory completion of a comprehensive examination in the field of the student's major interest.

GRADUATE PROGRAM

A student in his first year of graduate study will enroll in 501, 502, and in any advanced senior course (403, 404, 410, 431) which he may not have had. The comprehensive examination in general psychology, 501, 502, covers all phases of psychology and serves as an assessment of the student's total preparation for advanced study and advancement to degree candidacy. The first year student may also be permitted to enroll in 521, Research, for one credit or more, so that he may begin to develop his own independent research interests. He must also satisfy the department that he possesses a reading knowledge of a foreign language before he can be admitted to candidacy for the M.A. degree.

The second year student will enroll in 503, 504, 521, and in 560, and he may enroll in 510-513. By the beginning of the second year, he must have satisfied the language requirement and be ready to defend a proposal for thesis.

Students are encouraged to use the first graduate year as a fifth-year preparation for continued study toward the Ph.D. whether or not they stay for a second graduate year at the College. Continuance at the College will ordinarily result in the M.A. degree at the end of the second year but the degree itself is not stressed as much as preparation for more advanced study.

†501, 502. Proseminar in General Psychology. Continuous course, four credits each semester. Prerequisite: first-year graduate standing. MR. DERKS.

An intensive reading course, based on a prepared syllabus, including handbooks and advanced texts as well as selected original literature. Topics are the functional divisions of behavior; conditioning, learning, remembering, problem solving, perceiving, motivation and emotion. Seminar discussions emphasize methods and history as well as current knowledge. Supervised research is required. A comprehensive examination is required; it serves as a qualifying examination for further graduate study.

†503, 504. Seminar in Psychology. Continuous course; three credit each semester. Prerequisite: second-year graduate standing. STAFF.

Selected topics in psychology with emphasis on current literature and original sources.

†510, 513. Practicum in Advanced Abnormal Psychology. Credit and hours to be arranged. STAFF.

This is based on the practical experience gained as a student intern at Eastern State Hospital for which graduate credit may be awarded as appropriate. Typically there is an opportunity to learn diagnostic testing of intellectual functioning, to engage in tutorial discussions of case material, in directed reading, and occasionally to gain an introduction to projective techniques. It is not a program of training in clinical techniques nor does it constitute an internship in clinical psychology.

†521. Research Problems in Psychology. Credit to be arranged. STAFF.

Course may be repeated. Research may be carried out either at the College or the Eastern State Hospital. It may consist of experiments, research papers, or reviews of original literature.

†560. Thesis. Prerequisites: 501, 502; second year standing; and candidacy for the M.A. degree. The M.A. candidate must defend a formal proposal for his thesis; this defense will be scheduled at the beginning of the second year of study.

Secretarial Science

ASSOCIATE PROFESSOR LOTT.

The following courses in Shorthand and Typewriting are open to students as elective courses, regardless of their fields of concentration. It is strongly recommended that students who plan to work as secretaries begin this course in their junior year or earlier. College credit is given for the courses as indicated. These courses may be taken as part of a student's regular schedule.

Personal Typewriting is open to any student and is taken without credit.

SHORTHAND AND TYPEWRITING

301, 302. Fundamentals of Shorthand and Typewriting. Continuous course; Shorthand three hours, Typewriting three hours;¹ three credits each semester. Miss LOTT.

Fundamentals of Gregg Shorthand Simplified and the touch system of typewriting. Taking shorthand from dictation and transcribing notes stressed in second semester.

401. Advanced Shorthand and Secretarial Practices. First semester. Lectures three hours; three credits. Prerequisites: Sec. Sci. 301, 302, or knowledge of elementary shorthand and typewriting. Miss LOTT.

Advanced shorthand and typing with emphasis on developing speed and accuracy in taking dictation and transcribing notes; office machines.

402. Secretarial Practice. Second semester; lectures three hours, laboratory three hours; three credits. Prerequisite: Consent of instructor. Miss LOTT.

Training for a professional secretarial career. Correct application of basic skills; use of reference materials; study of duties

¹The typewriting applies to students who have not had typewriting previously.

and personal requirements for responsible secretaries; use of transcription machines. Shorthand is not a prerequisite.

PERSONAL TYPEWRITING

101. Personal Typewriting. Both semesters; two hours a week; no credit. Miss LOTT.

This course is designed to give training in the fundamentals of touch typewriting with special emphasis on typing term papers, outlines and business letters.

Sociology and Anthropology

PROFESSORS KERNODLE (*Head of the Department*) and E. RHYNE. ASSOCIATE PROFESSORS ALTSHULER (*Director of Anthropological Studies*) and GRAY. ASSISTANT PROFESSORS BALLINGALL, BARKA, BECK, GARZA, ITO, KUTNER, LIGUORI, L. RHYNE, and THEMOM, LECTURER McCARY.

REQUIREMENTS FOR CONCENTRATION

Concentration in Sociology and Anthropology requires a minimum of thirty-three semester credits: 201, 202, 303, 307, 401, 402, or 495, 496 and Anthropology 203. (With permission of Department Chairman, Anthropology 432 may be substituted for Sociology 303.)

DESCRIPTION OF COURSES

SOCIOLOGY

201, 202.¹ General Sociology. Continuous course; lectures three hours; three credits each semester. STAFF.

An introduction to the study of human society. The basic concepts of society, culture, and personality and their relationships to one another are developed in the first semester. In the second semester these concepts are used to examine and analyze the major social institutions in human society. Political, economic, religious, and familial institutions are studied as well as additional concepts of social class, caste, and social change.

303. Sociological Theory. First semester; lectures three hours; three credits. MR. KERNODLE and MR. BECK.

This course aims to present the major sociological theories and hypotheses which are current with some historical perspective which bears directly upon recent trends in social theory. The

¹Freshmen may elect this course provided they have two units of secondary school preparation in social science courses, including a minimum of one unit of World History and/or European History, or have satisfactory achievement on the Advanced Placement Tests, or with the approval of the Head of the Department.

sources of social concepts in tradition and changing experience; their formal application in framing and executing scientific research are studied. The taken-for-granted versus rational analysis, and values in relation to objectivity constitute the approach. Emphasis on current thought. This course is designed for both sociology majors and other students interested in contemporary social thought in this orientation.

307. Statistical Methods in Sociology. Both semesters; lectures three hours; laboratory two hours; three credits. MR. ITO.

The applications and limitations of statistics are presented as means of providing tools whereby statistical methods may be recognized, interpreted, and applied in sociological research. Included are considerations of averages, measures of dispersion and variance, simple linear correlation and sampling theory. Emphasis on the logic of procedures, not on mathematical derivations.

311. Social Control. First semester; lectures three hours; three credits. Soc. 201, 202 or consent of instructor. MR. GRAY.

An analysis of universal techniques of social control used by both small groups and society as a whole. Considers the question of conformity to social norms and values in the interest of social stability and continuity as well as that of group and/or individual deviance.

313. Social Structure. First semester; lectures three hours; three credits. MR. RHYNE.

A study of the principal structural units of society. Central focus is on the concepts of hierarchy, stratification, class and caste, and the economic, prestige and power orders. Comparative perspectives, historical and cross-cultural, are developed.

319. Population Problems. First semester; lectures three hours; three credits. MRS. KUTNER.

A consideration of the manner in which populations grow and decline and the effects of such change on society. Emphasis is on theories of population growth, distribution, births, deaths, internal and international migration, bio-social and sociological

composition. Included are discussions of the sources of data and techniques and methods of analysis, as well as contemporary population problems.

320. Social Problems. Lectures three hours; three credits; offered each semester. MR. LIGUORI and MR. GARZA.

An objective study of the basic areas in human society which involve value conflict, social disorganization, and personal variation or deviancy. Attention is given to specific problems arising out of our type of social structure and which are not covered by other special courses. Focus on mental illness, religious conflicts in modern society, drug and alcohol addiction, and other areas of social concern.

321. Sociology of Social Welfare. Semester to be announced; lectures three hours; three credits. STAFF.

A study of the history and problems of welfare institutions and their functions in human society. Attention is given to contemporary welfare institutions as they relate to social structure and the other major institutions within it. The place of contemporary social work practice will be considered in this context.

322. The Sociology of Crime and Delinquency. Second semester; lectures three hours; three credits. MR. BECK.

A consideration of sociological theory in relation to empirical observations of crime and delinquency with the purpose of increasing an understanding of basic sociological concepts, especially as they are applied to crime causation, prison organization, and rehabilitation.

326. Racial and Cultural Minorities. Second semester; lectures three hours; three credits. MR. LIGUORI.

Distinctions of race, religion, and national origin in contemporary society. The "racial" or "minority group" frame-of-reference in relation to economic and social class organization, political alignments, regional traditions, and psychological tensions. Trends of change. Included is a comprehensive study of minority problems and race issues in the modern world.

332. Marriage and the Family. Second semester; lectures three hours; three credits. MR. KERNODLE and MR. GARZA.

Analysis of the social relationships between people in courtship, marriage and family situations. Interrelations of family institutions and other parts of social structure. Intensive study of American family structure and relevant examples drawn from other cultures, with the aim of developing mature understanding of, and perspective on, the family.

334. Sociology of Religion. Second semester; lectures three hours; three credits. MISS THEMIO.

Conceptions of the supernatural in non-literate societies; an examination of religious beliefs and practices; development of religious groups and institutions; relation of religion to social structure and social change.

335. Sociology of Education. First semester; lectures three hours; three credits. MR. GRAY.

A sociological analysis of education as a social institution. The relevance of education to the general social order and the function of education within a cultural context emphasized.

349. Human Geography. First semester; lectures three hours; three credits. MR. RHYNE.

A study of the adjustment of human societies to their physical environment. Emphasis on the spatial distribution of human population, cultural forms, and societal types. Comparison of different social reactions to similar geographic conditions.

401, 404. Social Research. Continuous course; lectures three hours; three credits each semester. Prerequisites: Soc. 201, 202, 307. STAFF.

404. History of Social Thought. Second semester; lectures three hours; three credits. STAFF.

A survey of the major strands in social thought in the West and the influence of these on the founding and development of sociology as a separate discipline.

408. Intermediate Social Statistics. Second semester; lectures three hours; laboratory two hours; three credits. Prerequisite: Soc. 307 or equivalent, Sociology 401 recommended. MR. ITO.

A brief review of the logic underlying inductive statistics and tests of significance of single variables followed by tests of significance involving two or more variables. Parametric and non-parametric measures of relationship between two or more variables will also be considered.

413. Urban Sociology. First semester; lectures three years; three credits. MRS. KUTNER.

The emergence and structure of the city in historical and cross cultural perspective, with special attention to the phenomena of urbanization and urbanism in the United States. Consideration of urban structure from both ecological and social perspectives; analysis of change in urban structure; selected problems associated with urban growth and life.

414. Industrial Society. Second semester; lectures three hours; three credits. Prerequisites: Soc. 201, 202, or consent of the instructor. MR. GRAY.

A sociological analysis of modern industrialized society. The transition from agrarian to industrialized society examined, including its specific effects on the American social character and individual personality.

416. Social Movements. Second semester; lectures three hours; three credits. MR. RHYNE.

A study of the social and cultural characteristics of contemporary social movements such as liberalism, democracy, socialism, communism, fascism. A critical evaluation is made of the philosophies, social foundations, and organizations of important movements. Emphasis on the interplay of these three factors.

431. Industrial Sociology. First semester; lectures three hours; three credits. Prerequisite: nine hours of sociology courses including Soc. 201, 202. MR. LIGUORI.

The industrial plant and business firm as social systems and the relation of these to other aspects of society. Emphasis is placed upon cross-cultural comparisons and attention is directed toward non-complex, as well as modern complex productive organizations. Sociological theory in its application to industrial growth and problems.

433. The Structure of Power. First semester; lectures three hours; three credits. MR. RHYNE.

The organization of power and authority within the social order. Comparison drawn between different power structures in terms of differences in the social order. An investigation of the writings of some of the major theorists (some combination from Marx, Mosca, Lenin, Pareto, Michels, or Sorel and contemporary authors) on social and political power is undertaken.

440. Special Problems in Sociology. For sociology majors only and upon consent of the Head of the Department.

ANTHROPOLOGY

203. General Anthropology. First semester; lectures three hours; three credits. STAFF.

An introduction to the field of anthropology. Particular attention will be given to the problems of human origins and development, both physical and cultural.

204. Cultural Anthropology. Second semester; lectures three hours; three credits. STAFF.

The application of the concept of culture to the study of contemporary societies, both primitive and modern. Such institutional areas as magic and ritual; crime, custom, and law; economy; and courtship, marriage and child-rearing will be analyzed cross-culturally.

326. Racial and Cultural Minorities. Second semester; lectures three hours; three credits. MR. LIGUORI.

Distinctions of race, religion and national origin in a contemporary society. The "racial" or "minority group" frame-of-refer-

ence in relation to economic and social class organization, political alignments, regional traditions, and psychological tensions. Trends of change. Included is a comparative study of minority problems and race issues in the modern world.

353. Ethnology of North American Indians. Second semester; lectures three hours; three credits. MR. ALTSHULER.

A descriptive survey of the major culture areas of native North America. Representative groups of Indians in each area will be discussed in terms of ecology, racial and linguistic affiliation, social organization, and value orientations. The diffusion of cultural traits from Meso-America, Oceania, and Asia as well as diffusion within North America will be analyzed.

355. Ethnology of South America. Semester to be announced; lectures three hours; three credits. STAFF.

A descriptive survey of the major culture areas of South America, analyzed in terms of such variables as race, language, ecology, dominant values, and culture contacts.

358. Ethnology of Oceania. Second semester, alternating years; lectures three hours; three credits. MISS BALLINGALL.

A descriptive survey of the Pacific Island World, including Aboriginal Australia, analyzed in terms of such variables as social organization, cultural pattern, and culture contact.

359. Ethnology of Southeast Asia. Second semester; lectures three hours; three credits. MISS BALLINGALL.

A descriptive survey of the major ethnic groups of Southeast Asia, analyzed in terms of such variables as ecology, physical type, language, dominant values, and personality structure. The course will also touch upon contemporary problems in Southeast Asia.

361. Ethnology of Africa. First semester; lectures three hours; three credits. MR. ALTSHULER.

A descriptive survey of the major culture areas of Africa, analyzed in terms of such variables as race, language, ecology, dominant values, and culture contacts.

368. Archaeology of North America. First semester; lectures three hours; three credits. MR. BARKA.

A survey of the culture history of North America from 15,000 B.C. to historic times. Discussions will include the prehistoric peopling of the New World, and the relation of prehistoric cultures to historic Indian tribes.

370. The Archaeology of Europe. Second semester; lectures three hours; three credits. MR. BARKA.

A survey of the prehistoric and early historic cultures of Europe, covering the Paleolithic, Neolithic, Bronze, and early Iron Ages. Comparisons will be made with the cultural development of Asia, the Middle East, and Africa.

372. The Virginia Indians. Second semester; lectures three hours; three credits. MR. McCARY.

A study of the origins and culture growths of the Virginia Indians from 15,000 B.C. to A.D. 1960. Careful attention will be given to the classification of artifacts associated with the various culture periods. Several field trips or digs will be arranged.

428. Personality in Culture. Second semester; lectures three hours; three credits. MR. KERNODLE and MR. ALTSHULER.

An intensive study of the relationships between the individual and society. Consequences of variability in socialization, learning, perception. Culture and mental disorders in divergent cultural systems are presented.

430. Cultural Patterns and Technological Change. First semester; lectures three hours; three credits. MISS BALLINGALL.

An examination of the part played by culture in facilitating or impeding technological development in societies. The approach will be to analyze the interdependence of various factors, such as value orientation, economic system, demography, ecological system, as they bear upon the central theme of technological development. Case studies by anthropologists and economists from a variety of cultures and underdeveloped areas will be presented.

432.² Anthropological Theory. First semester; lectures three hours; three credits. MR. ALTSHULER.

An analytical review of the major anthropological theories of the last one hundred years.

450. Anthropology and Medicine. Semester to be announced; lectures three hours; three credits. STAFF.

The medical system of the United States will provide the basic unit of comparison for a review of the ways in which different societies cope with problems of ill-health. The focus will be upon cultural variation in definitions of "illness" and "therapy" and the manner in which such definitions and practices are interrelated with other aspects of culture.

HONORS STUDY

495, 496. Honors. Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Honors Study in Sociology and Anthropology will be enrolled in this course during both semesters of their senior year. The course comprises (a) an exploration of the area of the logic of research along with selected readings in the student's special area of interest; (b) the preparation and presentation by May 1 of an Honors Essay or Project in his special area of interest; and (c) satisfactory performance in a comprehensive oral examination in the field of the student's major interest.

MASTER OF ARTS DEGREE IN SOCIOLOGY

Requirements for the Degree of Master of Arts in Sociology

The candidate for the degree of Master of Arts in Sociology must meet the following requirements in addition to the general requirements stated on page 108 of this catalogue:

²Concentrators may fulfill concentration requirement by taking Anthropology 432 in lieu of Sociology 303 upon written approval of the Head of the Department.

1. After consultation with the Department of Sociology the candidate will select a co-ordinated set of courses; undergraduate courses may be required in areas where the candidate's preparation is incomplete.
2. In addition to Sociology 560 (Thesis; 3 to 6 credits) the candidate must successfully complete 24 credits of which at least twelve credits must be at the 500 level and must include Sociology 501, 502 and one seminar (Sociology 511-517). Courses at the 400 level which are applied toward the degree must be completed with a grade of B or better.
3. With the approval of the department a maximum of 12 credits may be taken in a discipline other than Sociology.
4. A residence period of one academic year is required.
5. The candidate must demonstrate a reading knowledge of one foreign language, preferably French or German, in the subject matter of sociology.
6. Each candidate will be assigned a major professor and a committee who will be responsible for planning the candidate's program and the supervision of his thesis.
7. A written and oral examination, covering the candidate's thesis and his major areas of study is required.

GRADUATE COURSES

501, 502. Issues in Contemporary Sociology. Continuous course; lectures three hours; three credits each semester. STAFF.

This course is designed to acquaint the student with the central tendencies in sociology. Each topical unit will be considered in its historical development, in the chief theoretical and methodological issues arising in it, and in the main currents of contemporary research.

511-517. Seminars in Sociology. Each semester; lectures three hours; three credits each semester. STAFF.

Each course will devote itself to the intensive study of the major literature in separate areas of sociology. A previous fa-

miliarity with the general subject matter is presumed on the part of the candidate, and mastery of current research strategies in the subject area is stressed. A minimum of two seminars is offered each semester.

511. *American Social Thought.*

512. *Comparative Social Structures.*

513. *Demographic Analysis.*

514. *Family Institutions.*

515. *Racial and Ethnic Relations.*

516. *Social Problems and Social Welfare.*

517. *Sociology of Personal Disorders and Mental Illness.*

560. Thesis. Hours to be arranged. **STAFF.**

Theatre and Speech

ASSOCIATE PROFESSORS SCAMMON (*Head of the Department*),
HAAK, and SHERMAN. ASSISTANT PROFESSORS CATRON, HASTINGS,
McCONKEY, and SAWYER. INSTRUCTORS BROWN and MICKEN.

The Department of Theatre and Speech offers a concentration in Theatre.

REQUIREMENTS FOR CONCENTRATION IN THEATRE

A student must take Theatre 204, 315, 316, 403, 404 and must complete fifteen additional hours in departmental offerings in Theatre. The student may count towards his concentration nine hours of work in related fields subject to the approval of his adviser.

THEATRE

204. Introduction to Theatre Arts. Both semesters; lectures three hours; three credits each semester. STAFF.

Survey of the development of the theatre from earliest times to the present. Emphasis on the major component parts found in the theatre—playwriting, directing, stagecraft, scene design, costumes, lighting and acting. Lectures, reading and discussion. Required of all concentrators in Theatre.

206. Makeup. Second semester; lectures two hours, laboratory two hours; three credits. Prerequisites: consent of the head of the department. MR. SHERMAN.

Study and practice of makeup in relation to light, shade and color, basic concepts in art; study and discussion of character analysis, showing the effects of heredity, temperament, environment, health and age on the actor physically. Students in this course assist in William and Mary Theatre productions.

***301, 302. Acting.** Continuous course; lectures three hours; three credits each semester. MR. SCAMMON.

Critical analysis and appreciation of acting developed by lectures, reading and discussion, and presentation of individual and group scenes.

305, 306. Stagecraft. Continuous course; workshop six hours; three credits each semester. MR. HAAK.

Study and practice in technical problem: working drawings, construction, scene painting, rigging, and handling of scenery, properties, lighting, backstage organization, and sound effects. Students in this course act as technicians for William and Mary Theatre productions.

309, 310. Design for the Theatre. Continuous course; studio six hours; three credits each semester. MR. HASTINGS.

Basic analysis of the visual elements of theatrical production. Lectures and demonstrations on significant historical periods. Emphasis is placed on watercolor sketching, scene painting, drafting, costume design and construction, and lighting. Students act as technicians for William and Mary Theatre productions.

312. History and Appreciation of the Motion Picture. Both semesters; lectures two hours; laboratory two hours; two credits. MR. HAAK.

Survey of the historical development of the film in Europe and America, and of organization, management, and mechanical process in production. In laboratory, historic and current films illustrating lecture material are shown.

313. Stage Lighting. First semester; lectures two hours; laboratory two hours; three credits. Prerequisite: consent of the instructor. MR. SHERMAN.

The principles of stage lighting and the equipment it employs, with emphasis on its value to the director as an important interpretative tool. Students will assist with William and Mary Theatre productions.

315. History of the Classical and Medieval Theatre. First semester; lecture three hours; three credits. Required of all concentrators in Theatre. MR. SCAMMON.

Study of the forms of the drama, development of the theatre and techniques of the stage of the Greek, Roman and Medieval Ages.

316. History of the Renaissance, Eighteenth and Nineteenth Century Theatre. Second semester; lectures three hours; three credits. Required of all concentrators in Theatre. MR. SCAMMON.

Study of the forms of the drama, development of the theatre and techniques of the stage in the Renaissance, Eighteenth and Nineteenth centuries.

***317, 318. Playwriting.** Continuous course; lectures, discussions three hours; three credits each semester. MR. CATRON.

Study of dramatic structure and introduction to writing plays for the stage. Students will write playscripts during the semesters. When possible, worthy scripts will receive experimental production.

319, 320. Theatre Administration. Both semesters; lectures three hours; three credits. Prerequisite: consent of the instructor. MR. SHERMAN.

The principles of management applied to the fields of theatre operations, production and performance, with emphasis given to promotion, box-office procedures and house management.

321, 322. Costume Design for the Theatre. Continuous course; lectures two hours; laboratory four hours; three credits. Prerequisite: consent of the instructor. MR. HASTINGS.

Lectures on historic period costume. Demonstrations and practice in sketching, pattern drafting, construction, form, color, and detail in the stage costumes. Students will apply techniques learned serving as costumers for William and Mary Theatre productions. Advanced students may serve as designers for Theatre productions.

401. History of the American Theatre. First semester; lectures three hours; three credits. MR. CATRON.

Theatre in America from its raw beginnings (1598) through the arrival of the Hallams in Williamsburg, up to the Civil War.

402. History of the American Theatre. Second semester; lectures three hours; three credits. MR. CATRON.

From the Civil War through the development of theatre in all parts of the country up to the present.

***403, 404. Seminar in Contemporary Drama.** Continuous course; three hours; three credits each semester. MR. CATRON.

Analysis of late nineteenth and twentieth century drama with special emphasis on forms and styles. Lectures, discussion and research. Required of all concentrators in Theatre, open to others by consent of the instructor.

407, 408. Direction. Continuous course; lectures three hours; three credits each semester. MR. SCAMMON.

Study and practice in the principles of choosing the play, casting, rehearsals, and performance. Special emphasis on direction of one-act plays.

***411. Problems in Theatre.** Any semester; hours to be arranged; credit according to work done. STAFF.

Directed study on a special problem for the advanced student, arranged on an individual basis.

SPEECH

201. Public Speaking. Both semesters; lectures three hours; three credits. MR. McCONKEY, and MR. MICKEN.

Understanding and application of the principles of public speaking. Analysis of speeches based on organization, content, and delivery.

202. Voice and Diction. Both semesters; lectures three hours; three credits. MRS. BROWN.

Study of processes of oral speech, including development of speech in young children, physics of sound, physiological, psy-

chological and social bases of speech and phonetics. Training in voice production, articulation, pronunciation and quality.

203. Oral Interpretation. First semester; lectures three hours; three credits. MRS. BROWN.

Study of basic principles in techniques of oral interpretation. Use of body, voice, analyses of materials, readings and evaluations of prose and poetry.

204. Advanced Oral Interpretation. Second semester; lectures three hours; three credits. Prerequisite: Speech 203 or with the consent of the instructor. MRS. BROWN.

Continuation of Speech 203 with emphasis on presentation of several forms of literature.

301. Foundations of Broadcasting. First semester; lectures three hours; three credits. MR. SAWYER.

An examination and evaluation of radio and television as factors in society. History and organization of the broadcasting industry, government regulation, and audience measurement, with consideration of the role of radio and television in education.

302. Beginning Broadcast Production. Second semester; lectures two hours; laboratory two hours; three credits. Prerequisite: Speech 301 or permission of the instructor. MR. SAWYER.

Analysis of program types, problems of preparation and presentation with laboratory work in the campus radio and television studios.

308. Speech Composition and Briefing. Second semester; lectures three hours; three credits. MR. McCONKEY.

Study of the special techniques of speech construction as applied to advanced forms of public address, emphasizing structure, arrangement, and style. Special attention given to the application of the principles to persuasion and to argumentation. (Not offered in 1967-1968; Alternates with Speech 310.)

309. Argumentation and Debate. First semester; lectures three hours; three credits. MR. McCONKEY.

Training in the techniques and practices of argumentative speaking, study and analysis of debate propositions, preparation of the brief, research and selection of evidence, and practice in rebuttal and refutation. Lectures and class debating.

310. Principles of Group Discussion. Second semester; lectures three hours; three credits. MR. McCONKEY.

Study of logical and psychological foundations of discussion as a method of dealing with public questions, considering problems of adjustment, communication and collaborative action in small face-to-face groups. Emphasis on principles, types and methods of discussion. Lectures and practice participation. (Alternates with Speech 308.)

401. Studio Operations: Directing for Television. Continuous course; lectures two hours; laboratory two hours; three credits. Prerequisites: Speech 301 or 302 or consent of the instructor. MR. SAWYER.

A study of theory and methods of television production and direction. Detailed examination of cameras, lights, audio, graphics, design and responsibilities of studio and control room personnel.

402. Television Writing and Production. Continuous course; lectures two hours; laboratory two hours; three credits. Prerequisites: Speech 401. MR. SAWYER.

A study of the theory and methods of writing, producing and directing for television. Practice is provided in writing various kinds of programs with emphasis on limitations and responsibilities of the medium, and in advanced control room techniques with opportunities to supervise all aspects of television production.

PRE-PROFESSIONAL PROGRAMS

Dentistry, Engineering, Forestry, Medical Technology, Medicine, Public Health Service, and Veterinary Medicine

Pre-professional programs for Dentistry, Engineering, Forestry, Medical Technology, Medicine, Public Health Service, and Veterinary Medicine are offered at William and Mary within a liberal arts framework. Most of these programs lead to a liberal arts degree at the College; some provide entry to a professional school after two or three years, and for certain of these programs there are provisions for an eventual degree from William and Mary.

Pre-Medical Course

For the country at large most medical school graduates now earn their baccalaureate degree; some of these students spend only three years in the liberal arts college and receive the college degree after completing the first year in medical school or, as in the case of William and Mary, upon the completion of the medical course. Certain schools now have combined liberal arts-medical programs wherein the students spend only two years in the liberal arts college.

The pre-medical advisers at William and Mary encourage students to complete four years before going to medical school, for a liberal arts program reaches its full meaning in the final years; to terminate such a program after three years is to lose its unique significance. Future success in medical school and in medical practice depends in great measure on the competence and attitudes developed during the liberal arts program.

Several pre-medical programs are given below for the guidance of the student. Each program satisfies the basic admission requirements of American medical schools. The individual student may, in consultation with a pre-medical adviser, wish to

work out his own program, and he may concentrate in any field that he desires provided he includes in his curriculum the courses requisite for admission to most medical schools. Degree requirements at William and Mary must, of course, be likewise satisfied.

The three-year student who follows the program exactly as outlined on the following pages and who has a minimum quality point average 1 is eligible upon graduation from an accredited medical school for a degree of Bachelor of Science from William and Mary.

PREPARATION FOR MEDICINE, DENTISTRY, AND PUBLIC HEALTH SERVICE

Program I¹

<i>First Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Second Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>
Eng. 101, 102	3	3	Eng. 201, 202	3	3
Chem. 101, 102	5	5	German or French	3	3
Biol. 101, 102	5	5	Physics 101, 102	5	5
Math. 103, 201 or			Chem. 201, 202	4	4
201, 202	3	3	Phys. Ed. 201, 202	1	1
Phys. Ed. 101, 102	1	1			
	—	—			
Total Semester Credits	17	17	Total Semester Credits	16	16
<i>Third Year</i>			<i>Fourth Year</i>		
Chem. 303	4	—	Hist. 101, 102 or	}	3
Advanced Chem.	—	4	Econ. 201, 202 or		
German or French	3	3	Govt. 201, 202 or		
Biol. 201, 202	4	4	Soc. 201, 202		
Hist. 101, 102 or	}	3	Advanced Chem.	2	2
Econ. 201, 202 or			Electives	7	7
Govt. 201, 202 or					
Soc. 201, 202					
Electives	3	3			
	—	—			
Total Semester Credits	17	17	Total Semester Credits	12	12

¹Concentration: Chemistry. Degree: B.S.

PREPARATION FOR MEDICINE, DENTISTRY, AND
PUBLIC HEALTH SERVICE—*Continued*

Program II¹

<i>First Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Second Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>
Eng. 101, 102	3	3	Eng. 201, 202	3	3
Math. 103, 201 or 201, 202	3	3	Chem. 201, 202	4	4
Biol. 101, 102	5	5	Biol. 201, 202	4	4
Chem. 101, 102	5	5	German or French	3	3
Phys. Ed. 101, 102	1	1	Phys. Ed. 201, 202	1	1
	—	—		—	—
Total Semester Credits	17	17	Total Semester Credits	15	15

Third Year

German or French	3	3
Hist. 101, 102 or Econ. 201, 202 or Govt. 201, 202 or Soc. 201, 202	3	3
Physics 101, 102	5	5
Advanced Biol.	4	—
Electives	—	4
	—	—

Total Semester Credits 15 15

Fourth Year

Hist. 101, 102 or Govt. 201, 202 or Econ. 201, 202 or Soc. 201, 202	3	3
Advanced Biol.	4	4
Electives	8	8
	—	—

Total Semester Credits 15 15

Program III²*First Year*

Eng. 101, 102	3	3
German or French	3	3
Biol. 101, 102	5	5
Hist. 101, 102 or Econ. 201, 202 or Govt. 201, 202 or Soc. 201, 202	3	3
Phys. Ed. 101, 102	1	1
	—	—

Total Semester Credits 15 15

Second Year

Eng. 201, 202	3	3
German or French	3	3
Hist. 101, 102 or Econ. 201, 202 or Govt. 201, 202 or Soc. 201, 202	3	3
Chem. 102, 102	5	5
Math. 103, 201 or 201, 202	3	3
Phys. Ed. 201, 202	1	1
	—	—

Total Semester Credits 18 18

¹Concentration: Biology. Degree: B.S.

²Concentration: Topical Major in Pre-Medicine. Degree: B.S. No more than five students may be admitted each year to this topical major. A quality point average of at least 2 is a necessary condition for admission.

PREPARATION FOR MEDICINE, DENTISTRY, AND
PUBLIC HEALTH SERVICE—*Continued*

Program III¹—*Continued*

<i>Third Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Fourth Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>
Chem. 201, 202	4	4	Biol. 201, 202	4	4
Physics 101, 102	5	5	Psych. 201	4	—
Phil. 201, 202	3	3	Chem. 303	4	—
Electives	4	4	Advanced Chem.	—	4
			Topical Major Seminar ..	—	3
			Electives	4	4
Total Semester Credits	16	16	Total Semester Credits	16	15

Program IV.² Four- or Three-Year Program

The four-year program here presented meets the requirements of all medical schools and the preferences of many of them. Certain medical schools will accept a student who has completed the first three years of this program.

<i>First Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Second Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>
Eng. 101, 102	3	3	Eng. 201, 202	3	3
Chem. 101, 102	5	5	Chem. 201, 202	4	4
Biol. 101, 102	5	5	Physics 101, 102	5	5
Math. 103, 201 or			German or French	3	3
201, 202	3	3	Phys. Ed. 201, 202	1	1
Phys. E. 101, 102	1	1			
Total Semester Credits	17	17	Total Semester Credits	16	16
<i>Third Year</i>			<i>Fourth Year</i>		
Hist. 101, 102 or	3	3	Hist. 101, 102 or	3	3
Econ. 201, 202 or			Econ. 201, 202 or		
Govt. 201, 202 or			Govt. 201, 202 or		
Soc. 201, 202			Soc. 201, 202		
Chem. 301, 302	4	4	Chem. 303, 304	4	4
Biol. ³ 201, 202	4	4	Advanced Biol. or		
German or French	3	3	Physics	4	4
Electives ⁴	3	3			
Total Semester Credits	17	17	Total Semester Credits	11	11

¹Concentration: Topical Major in Pre-Medicine. Degree: B.S. No more than five students may be admitted each year to this topical major. A quality point average of at least 2 is a necessary condition for admission.

²Concentration: Chemistry. Degree: B.S.

³Public Health students should substitute Microbiology (Biol. 301, 302).

⁴Three-year students must elect a second Social Science. Four-year students who complete the Math. 103, 201 sequence should elect Math. 202.

Preparation for Engineering

Students may prepare in this College for entrance to the Junior class of any standard engineering school. In making this preparation students will find it necessary to make an early selection of the branch of engineering and the engineering school which they wish to enter in order that their courses may be chosen in accordance with the requirements of their engineering school. It is strongly urged that students seek advice from the Committee on Pre-Engineering Students in adapting their courses to fit the particular branch of engineering they propose to follow.

The course outlined below will be found to meet the general requirements for all branches of engineering.

	<i>Semester Credits</i>
English	6
Mathematics	15 (or 12)
Engineering Drawing and Descriptive Geometry	3 to 6
Physics	10
Chemistry	10

For special branches of engineering the following additional courses are recommended: two years of Physics for Nuclear, Electrical and Mechanical Engineering; an additional year of Chemistry for Chemical, Mining, and Sanitary Engineering; a year of Biology for Sanitary Engineering.

The course for engineering students may be fitted into the regular program leading to a B.S. degree and this procedure will afford the engineering student a broad training for this professional work. The completion of the program ordinarily requires four years, but engineering students who complete three years in residence and fulfill degree requirements, except the completion of a field of concentration, with a minimum quality point average of 1.2, will, upon application, be granted the B.S. degree of this College on graduation from an approved engineering school.

PROGRAM IN COOPERATION WITH LEADING ENGINEERING COLLEGES

The College has combined plan arrangements with the School of Engineering, Columbia University, the School of Engineering Science, The Johns Hopkins University, and the School of Engineering, Rensselaer Polytechnic Institute. Under these arrangements, and by properly planning his studies to include the basic sciences and humanities, a student of high standing may pursue a combined five-year program in which the first three years are spent at the College and the last two at the institution of his choice, leading to the Bachelor's degree from each institution.

The following is the program of courses to be taken at the College of William and Mary.

FIRST YEAR

	<i>1st</i> <i>Sem.</i>	<i>2nd</i> <i>Sem.</i>
Grammar, Composition and Literature (Eng. 101, 2)	3	3
Freshman Mathematics (Math. 103, 201 or Math 201, 2)	3	3
Elementary General Chemistry (Chem. 101, 2)	5	5
General Physics (Phys. 101, 2)	5	5
Physical Education (Required Phys. Ed.)	1	1
	—	—
Total Semester Credits	17	17

SECOND YEAR

English Literature (Eng. 201, 2)	3	3
Calculus (Math. 201, 2 or Math. 203, 302)	3	3
Foreign Language (French or German)	4	4
European History (Hist. 101, 2), Government (Govt. 201, 2) or Sociology (Soc. 201, 2)	3	3
Modern Physics (Phys. 203)	4	—
Geometrical and Physical Optics (Phys. 207)	—	4
Physical Education (Required Phys. Ed.)	1	1
	—	—
Total Semester Credits	18	18

THIRD YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>
Foreign Language	3	3
Mathematics 203 or 302	3	—
Mathematical Physics 300 or 401 or Mathematics 302	—	3
Engineering Drawing and Descriptive Geometry (Engineering Graphics 201, 2)	3	3
Electricity and Magnetism (Phys. 303, 304)	4	4
Engineering Mechanics ¹ (Phys. 307)	3	—
or Analytical Chemistry (Chem 303, 304)	4	4
Principles of economics (Econ. 201, 2)	3	3
Mechanics 208	—	3
	—	—
Total Semester Credits	19	19
	or 20	or 20

Students preparing for special programs not mentioned above should consult with the Chairman of the Committee on Pre-Engineering Students.

¹Students preparing for Chemical Engineering or Metallurgy should elect Analytical Chemistry and omit Engineering Mechanics. For Civil, Mechanical, Nuclear and Electrical Engineering programs, Engineering Mechanics should be elected and Analytical Chemistry omitted. Those who elect Analytical Chemistry may find it desirable to include it in the second year program, postponing European History to the third year.

Preparation for Teaching the Natural Sciences and Mathematics

This interdepartmental concentration (Topical Major in Science), which leads to the Bachelor of Science degree enables a student in a four-year course of study to prepare for certification for teaching on the secondary level in general science and in two of the fields in the area of the natural sciences and mathematics.

Requirements for Concentration

- (a) A one-year course in *three* of the following natural sciences: Biology, Chemistry, Geology and Physics for a total of 30 semester hours.
- (b) A one-year course in mathematics.
- (c) An additional eight semester hours in each of two of the four sciences in (a) above; or, an additional eight semester hours in one science and an additional 12 semester hours in mathematics. (Counting freshmen level courses, the student is thus required to complete either 18 hours in mathematics and 18 hours in one natural science or 18 hours in each of two natural sciences and six hours in mathematics. The two departments selected by the student in which to meet this requirement shall together constitute his Field of Concentration.)
- (d) A total of 36 quality points in the student's Field of Concentration.

Typical Program of Courses

<i>First Year</i>		<i>Second Year</i>	
Eng. 101, 102 or 103, 104	6	Eng. 201, 202	6
1st Science 100-level	10	3rd Science 100-level	10
2nd Science 100-level ¹	10	Econ. 201, 202, Govt. 201, 202, Hist. 101, 102, or Soc. 201, 202	6
Mathematics	6	Foreign Language	6
Phys. Ed.	2	Electives ²	6
		Phys. Ed.	2
<hr/>		<hr/>	
Total Semester Credits	34	Total Semester Credits	36
<i>Third Year</i>		<i>Fourth Year</i>	
Econ. 201, 202, Govt. 201, 202, Hist. 101, 102, or Soc. 201, 202	6	Natural Science	8
Foreign Language	6	or Mathematics	6
Natural Science	8	Electives	16-24
or Mathematics	6		
Electives ³	6-14		
<hr/>		<hr/>	
Total Semester Credits.....	32	Total Semester Credits.....	30

¹A student may postpone one of the freshman level science courses to the junior or senior year, substituting a distribution course for the second science in the freshman year.

²A student may take the second natural science or mathematics in his sophomore year and postpone the electives to his junior or senior year.

³Students desiring to qualify for certification in Virginia or in other states should take as electives, beginning in the junior year, the required professional courses, including student teaching.

Preparation for Forestry

Students may prepare at William and Mary for entrance into forestry schools at other institutions. Here they obtain a sound education in the humanities and other liberal arts in addition to the sciences basic to forestry.

The College offers a special program in cooperation with the School of Forestry of Duke University. Upon completion of a five-year coordinated course of study the student will have earned the Bachelor of Science degree from William and Mary and the professional degree of Master of Forestry from Duke University. The student devotes the last two years of his program to the professional forestry curriculum of his choice at Duke, where forestry courses are open only to seniors and to graduate students.

Candidates for the forestry program should indicate to the dean of Admissions of the College of William and Mary that they wish to apply for the Liberal Arts-Forestry curriculum. Admission to the College is granted under the same conditions as for other curricula. At the end of the first semester of the third year the College will recommend qualified students for admission to the Duke School of Forestry. Each recommendation will be accompanied by the student's application for admission and by a transcript of his academic record at William and Mary. No application need be made to the School of Forestry prior to this time.

Pre-Forestry Curriculum at William and Mary.

FIRST YEAR		
	<i>1st Sem.</i>	<i>2nd Sem.</i>
Eng. 101, 102	3	3
French or German	3	3
Biol. 101, 102	5	5
Math. 103, 201 or 201, 202	3	3
Phys. Ed. 101, 102	1	1
	<hr/>	<hr/>
	15	15

SECOND YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>
Eng. 201, 202	3	3
French or German	3	3
Chem. 101, 102	5	5
Biol. 401; Biol. 206	4	4
Phys. Ed. 201, 202	1	1
	—	—
	16	16

THIRD YEAR

Econ. 201, 202	3	3
Govt. 201, 202	3	3
Biol. 301 or Elective Biology	4	—
Biol. 408	—	4
Physics 101, 102	5	5
	—	—
	15	15



Recent publications of the Institute of Early American History and Culture

INSTITUTE OF EARLY AMERICAN HISTORY AND CULTURE

THE INSTITUTE of Early American History and Culture was established in 1943 by the union of certain historical research and publication activities of the College of William and Mary and Colonial Williamsburg, Incorporated. The College contributed *The William and Mary Quarterly*, a historical periodical published since 1892, and the use of the rich resources of its library, while Colonial Williamsburg contributed the Williamsburg Restoration Historical Studies, its program of research fellowships, and the use of its important manuscript collections. The board of editors of the *Quarterly* and the Restoration's advisory council of historians were merged to form the first Council of the Institute, an advisory board drawn from the nation at large. The membership of the present Council is given below.

By promoting the study of early American history, the Institute aims, in the words of its Constitution, "to preserve and advance understanding of the enduring contributions of the colonists and the founders of the Republic." It does so by the publication of significant books and articles in the field of early American history from the beginnings through the Jeffersonian era, by teaching and consultation, and by the acquisition of research materials on microfilm. Its collection of early American newspapers on film is one of the largest extant. Its publication of the *Virginia Gazette Index* (1950) provides the only comprehensive index to a series of important colonial newspapers so far made available to researchers.

The Institute cooperates in many ways and to the fullest possible extent with historical activities of both the College and Colonial Williamsburg, but it is an autonomous organization with a separate and distinct program which is national rather than local. Its books, published over a joint imprint with the University of North Carolina Press, and the articles appearing in *The William and Mary Quarterly* are directed to the widest possible audience.

INSTITUTE OF EARLY AMERICAN HISTORY AND CULTURE

The director of the Institute is Lester J. Cappon. On his staff are: Stephen G. Kurtz, editor of publications in charge of the book publication program, and Marise Rogge, assistant editor; Thad W. Tate, editor of *The William and Mary Quarterly*; Lynne Marcus, assistant editor of the *Quarterly*; Bernard W. Sheehan and Stephen S. Webb, fellows; John E. Selby, book review editor of the *Quarterly*. Mr. Kurtz is editor (part-time) and Herbert A. Johnson is associate editor of *The Papers of John Marshall*. Mr. Cappon is also archival consultant of Colonial Williamsburg, and Messrs. Cappon, Johnson, Kurtz, Selby, Sheehan, Tate, and Webb are members of the Department of History at the College.

The Papers of John Marshall, under a grant from the National Historical Publications Commission and an appropriation from the General Assembly of Virginia, supplemented by funds from private sources, will be a definitive edition of the works of the Chief Justice.

The offices of the Institute and of *The William and Mary Quarterly* are in the Earl Gregg Swem Library on the College campus. The postal address is Box 220, Williamsburg, Virginia 23185.

The sponsors of the Institute are Davis Y. Paschall, President of the College of William and Mary, and Carlisle H. Humelsine, President of Colonial Williamsburg, Incorporated.

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Operation and Management of Space Laboratory

In accordance with legislative provisions, the College of William and Mary, the Medical College of Virginia, the University of Virginia, and Virginia Polytechnic Institute have constituted a

joint project, entitled Virginia Associated Research Center, for the operation and management of a space radiation effects laboratory in the vicinity of Hampton Roads, in cooperation with the National Aeronautics and Space Administration.

This opportunity, together with the new Natural Science facilities at the College, enhances the graduate program in physics, biology, chemistry and mathematics at William and Mary, and intensifies space research for the nation.



The William Small Physical Laboratory

THE MARSHALL-WYTHE INSTITUTE OF PUBLIC AFFAIRS

THE MARSHALL-WYTHE Institute of Public Affairs consists of the Departments of Business Administration, Economics, Government, History, Sociology and Anthropology. The Director of the Institute is the John Marshall Professor of Government. In 1926, through the generosity of James Goold Cutler, Esq., Rochester, New York, a fund of approximately \$100,000 was established, the income to be applied toward the salary of the John Marshall Professor of Government and Citizenship and for other purposes.

The Institute conducts a symposium, known as the Marshall-Wythe Symposium during the second semester. One semester credit is given in this course, and a student may, in successive terms, receive a maximum of two credits. It will also arrange lectures on current topics relating to the social sciences, and develop research among the social science departments.

THE INFORMATION OFFICE

THE COLLEGE helps keep its community and the public informed of its activities through the Information Office, which maintains a comprehensive, full-time informational and public relations program. The office, supervised by a director, is the channel for all information about the college to the public, and provides assistance in internal communication.

The office prepares news releases on College events, operates a hometown news service staffed by students, assists the institution in its relationships with news media, and through special programs, publications and other appropriate means seek to interpret the College to various segments of the public.

It keeps a file of biographical data and photographs on all personnel at the College and maintains a growing collection of clippings and other material on day-to-day campus activities. Prospective students, historians and educators from every state and many foreign countries obtain its assistance in answer to inquiries about the College.

THE 1967 SUMMER SESSION

THE SUMMER SESSION is planned to provide courses for undergraduate and graduate students enrolled in liberal arts programs, to provide professional training for teachers, counselors, principals, supervisors, and superintendents, and to furnish basic instruction in pre-professional programs, such as Forestry, Engineering, Medicine, Dentistry, Law, and the Ministry. Provision is made also for meeting the educational needs of high school graduates who wish to begin college work in the summer in order to accelerate their completion of the four-year college program.

The summer session is an integral part of the educational program of the College of William and Mary, and the opportunities for study are essentially the same as in the regular session. Courses are carefully selected from the regular session curriculum and are supplemented by programs specifically designed to meet the interests and needs of students who attend the summer session. Instruction is provided by regular members of the William and Mary faculty supplemented by specialists from other institutions.

For the most part degree requirements, supervision of students, college regulations, the Honor System, and the like, set forth elsewhere in this catalogue, apply in the summer session. Admission to the summer session does not assure admission to a degree program. Summer session students who wish to become candidates for degrees at William and Mary must make application to the Dean of Admissions.

The 1967 Summer Session will consist of two terms of five weeks each. Students may enroll for either or both terms. Courses in Law will be taught on a nine-week schedule. Certain short courses for teachers will also be available. Six semester hours will constitute a full course load for each five-week session.

SUMMER SESSION CALENDAR

1967

June 18	Summer Band School*
June 19	Registration for First Session
June 19	Institute for Teachers of Science* begins
June 20	Classes begin
July 21	End of First Session
July 24	Second Session begins
August 25	Second Session ends
August 26	Summer Commencement

FEES AND EXPENSES

Tuition for the summer session is comparable to that charged students enrolled during the regular session. The unit for computing the tuition charge is the semester hour of credit. Tuition is \$16.00 per semester hour for Virginia residents and \$22.00 per semester hour for non-residents. There are no additional special fees except a registration fee of \$5.00 per student, and a laboratory fee in laboratory courses.

All students of the College, both men and women, are required to room in college dormitories, except graduate students and those commuting daily from their homes. The weekly rates for rooms vary according to the accommodations needed by students: for men, the rates range from \$4.50 to \$8.00 per person; for women, \$5.00 to \$8.50 per person. A limited number of accommodations for married couples may be found in private homes and apartments near the College. Students are urged to reserve their rooms as far in advance as possible.

Meals are provided in the Campus Center on an a la carte plan. Expenditures for food vary with individual appetites, but the weekly average is approximately fifteen dollars.

*Special bulletins for these programs are available at the office of the Director of the Summer Session, College of William and Mary.

All freshmen and sophomore students who are regularly enrolled at William and Mary or any other college and who live in the dormitories are expected to take their meals in the Campus Center.

Students should allow ten to fifteen dollars for text books. Other expenses such as travel, recreation, clothing, and the like depend upon the individual.

INFORMATION ABOUT THE SUMMER SESSION

Besides the Summer Session catalogue which is distributed in February, there are a number of special bulletins available that describe in detail certain opportunities for students in the College of William and Mary. A preliminary announcement which lists all courses and instructors is available in January. Bulletins of information on the Summer Session may be secured by writing to the Director of Summer Session, College of William and Mary, Williamsburg, Virginia. Please include your Zip Code number.

THE EVENING COLLEGE

THE COLLEGE OF WILLIAM AND MARY in September, 1952, initiated a program of evening courses to enable residents of Tidewater communities and military personnel stationed in the area to obtain residence credits which might be applied toward a degree at William and Mary or at other accredited institutions.

The essential requirement for admission to the Evening College is graduation from an accredited secondary school or the equivalent of this requirement as demonstrated by examination. Students with previous college experience must present evidence of good standing at the last such institution attended.

Students applying for Evening College who have never previously attended William and Mary must submit a completed Application for Evening College form to the Director of Evening College. A Certificate of Good Standing must be mailed to the last educational institution attended, whether secondary school or college, with a request that the form be completed and mailed directly to the Director of Evening College by the appropriate official of the institution. Both of these forms must be in the Evening College office at least two weeks prior to registration. The necessary forms may be obtained by contacting the Director of Evening College.

Applicants will be notified by mail as soon as eligibility has been verified. If there appears to be a need for further evidence of the ability of an individual to perform satisfactorily at the college level he may be required to take tests or to present other evidence of ability or aptitude.

Students who have previously attended William and Mary and who continue in good standing may expedite the registration process by mailing an Application to Evening College form to the Director at least two weeks prior to the date of registration.

All students or prospective students may obtain assistance with program planning and related problems by appointment with the Director. Call 229-3000, Extension 244 for an appointment.

Admission to the Evening College may not be construed as automatically admitting the applicant to the day session or to any other division or branch of the College of William and Mary.

Evening College undergraduate students are classified as non-matriculated students prior to acceptance as degree candidates. Nonmatriculated students who wish to earn a degree at William and Mary must make application for admission as degree candidates prior to the completion of 30 credits of undergraduate work. Graduate degree candidates must have obtained admission prior to the completion of the first course.

Courses are taught by members of the College faculty with some assistance from other qualified instructors.

Tuition fees for the 1967-68 academic year will be \$16.00 per semester credit, payable upon registration. Some of the military students have enrolled under provisions of Armed Forces education plans in which the Services contribute a portion of the tuition fees.

A special bulletin giving full details concerning the Evening College may be obtained by writing to the Director of the Evening College, College of William and Mary. Please include your Zip Code number with your request.

THE EXTENSION DIVISION

The Extension Division was developed in order to provide college courses for adults in Tidewater Virginia who could not avail themselves of educational opportunities on the campus. Introductory and advanced courses in Liberal Arts and Education are included with a limited offering in Business. Noncredit courses, seminars and discussion groups may also be organized upon request.

With few exceptions, courses offered for credit meet weekly for sixteen sessions of three hours each and carry three semester hours of academic credit. Most classes meet during the evening hours. Credits earned in Extension courses may be applied toward degrees at the College of William and Mary *if the student has been admitted to candidacy for a degree and the course is approved by the student's advisor as meeting degree requirements*. Students who wish to transfer credits to another college must also obtain the approval of their college or their advisor.

Credits for advanced courses in Education may be taken for graduate credit. According to regulations of the Southern Association of Colleges and Schools, a maximum of twelve semester hours of graduate Extension credits may be applied toward the Master's degree. All courses to be included in graduate degree programs should be approved by the student's graduate advisor.

Extension courses, available in more than forty separate locations, are largely administered through the Coastal Area Extension Center, the Lower Peninsula Center, and the Capital Area Extension Center. Courses are also available each semester at Fort Eustis, Fort Lee, Fort Story, Fort Monroe, Langley Air Force Base, Oceana Naval Air Station, and the Little Creek Amphibious Base. Courses may be organized in other Tidewater communities by request.

Registration for Extension courses is held at the first class meeting unless otherwise specified in the Extension Bulletin. Students enrolling in Extension courses for the first time must present evidence of high school graduation or of good standing

at the college previously attended. In situations where reasonable doubt of the student's qualifications may exist, additional evidence such as test results or reports of previous academic achievement may be requested in order to establish eligibility. The College reserves the right to reject any applicant whose test results and previous background suggest that he is not qualified for the course for which he has applied.

Bulletins which list courses available in Extension are prepared each semester and are available approximately one month prior to the beginning of classes. These bulletins may be obtained by contacting the Director of Extension, College of William and Mary, Williamsburg, Virginia.

THE WILLIAM AND MARY ENDOWMENT FUND

THE ENDOWMENT ASSOCIATION

The affairs of the Association, a private corporation, are conducted by a self-perpetuating elected Board of from nine to fifteen members. The present membership of the Board is as follows:

ALVIN DUKE CHANDLER, '22x, Williamsburg, *President*

DAVIS Y. PASCHALL, '32, Williamsburg, *Vice-President*

ROBERT T. ARMISTEAD, '36, Williamsburg

J. D. CARNEAL, JR., '20, Richmond

ROY R. CHARLES, '32, Norfolk

MRS. ALFRED I. DUPONT, Wilmington, Delaware

W. BROOKS GEORGE, '32, Richmond

HENRY CLAY HOFHEIMER, II, Norfolk

JOHN R. LEE JOHNSON, JR., '28, Wilmington, Delaware

WILLIAM L. PERSON, '24, Williamsburg

J. GARLAND POLLARD, JR., '23, Somers

JAMES M. ROBERTSON, '29, Norfolk

H. HUDNALL WARE, '22x, Richmond

WALTER J. ZABLE, '37, San Diego, California

J. EDWARD ZOLLINGER, '27, Ft. Lauderdale, Fla.

VERNON L. NUNN, *Secretary-Treasurer*

The income from the Association's funds is used to support scholarships, Chancellor professorships, and other general College purposes. The objectives of the Endowment Association are contained in the charter and by-laws, copies of which may be obtained on request.

THE FRIENDS OF THE COLLEGE

The Friends of the College number forty-nine. Annual memberships of this organization are \$100; life memberships, \$1,000. The income of the Friends is spent currently at the discretion of the President of the College for the support of concerts, lectures, the Musical Records Collection, the War Memorial Book Shelf, undergraduate activities and scholarship aid. The annual bulletin of the Friends may be obtained on request.

GIFTS AND BEQUESTS

Although the College of William and Mary derives a certain amount of its financial support from appropriations from public funds by the General Assembly of the Commonwealth of Virginia, the remainder of the money required for its operation—and particularly for the qualitative development of its research and educational services—must come from endowment funds, gifts, bequests, and other types of support from a variety of nontax or nonpublic sources. In a period of steadily increasing demands for additional or enlarged services of various types, all colleges—those which are entirely privately supported, those which are entirely state-supported, and those which, like the College of William and Mary, rely on both public and private funds—must look to their friends, alumni, and others interested in the continued growth of higher learning, for the economic assistance necessary to support their educational program.

This economic assistance may take the form of single or continuing grants from educational foundations, or from private corporations, or from individuals. The individual gift may be either a lifetime or a testamentary gift or bequest. It may be a general gift, to be used for such purposes as the College may itself determine; or it may be a specific gift for a purpose desired by the donor or proposed by the College. It may be a gift large enough to cover the entire cost of establishing and maintaining a particular structure or activity, or it may be an integral part of a fund representing several gifts whose aggregate will suffice to meet the necessary cost of the total project.

A wide variety of essential activities of the College may be aided fundamentally by such gifts and bequests. Scholarships and fellowships, with their attendant supplemental grants to the College to cover the extra costs incurred in accepting such scholarship and fellowship holders as students, are one of the most general categories of such private support. Similarly, grants in aid of staff salaries, including the creation of endowed chairs and of distinguished professorships, are increasingly needed by institutions such as the College of William and Mary, to meet the com-

petition of private industry and other educational agencies which are continually bidding for the services of such trained personnel. Research grants, funds to finance the purchase of rare manuscripts and related scholarly materials, exchange professorships and scholarships to permit students and faculty from the College to study abroad and to bring this campus their counterparts from foreign universities, are other continually needed contributions. Finally, the College has occasionally benefited from gifts for a variety of major capital projects (e.g., buildings) for which future gifts and bequests will be welcomed.

Gifts. Lifetime gifts, or gifts by corporations, individuals, or foundations should be made to The Endowment Association of the College of William and Mary in Virginia, Inc.

Any kind of property, real or personal, may be the subject of a gift and only such form as is required to pass title is necessary. If the gift consists of real property, the title will be passed by deed; if it consists of cash or unregistered bonds, the gift is consummated by delivery of the property; or if stocks, by delivery of properly endorsed stock certificates. Unless restricted, the use of gifts is at the discretion of the Board of The Endowment Association. Usually the proceeds, conservatively invested, are added to the permanent endowment of the College of William and Mary. The donor may, however, restrict the use of any gift and designate definitely the purposes for which it shall be used. In such cases, the transfer of property would be accomplished by a letter or other documents describing in detail the purposes for which the proceeds of the gift are to be used and when accepted by The Endowment Association the term or conditions set out therein become binding upon it.

Bequests. Testamentary gifts, or bequests, should be made to The Endowment Association of the College of William and Mary in Virginia, Inc. Bequests may be made by setting their provisions forth in a will; or, if a will has already been drawn, they may be expressed in a codicil to the will. The following forms for wills or codicils are suggested:

GENERAL

I (*give*, if personal property; *devise*, if real property) and bequeath to The Endowment Association of the College of William and Mary in Virginia, Inc., a private corporation existing under the laws of the Commonwealth of Virginia and located in the City of Williamsburg, Virginia, and to its successors forever, the sum of.....dollars (or otherwise describe the gifts) for the general purposes and uses of the College of William and Mary in Virginia at the discretion of the Endowment Association of the College of William and Mary in Virginia, Inc.

SPECIFIC

I (*give*, if personal property; *devise*, if real property) and bequeath to The Endowment Association of the College of William and Mary in Virginia, Inc., a private corporation existing under the laws of the Commonwealth of Virginia and located in the City of Williamsburg, Virginia, and to its successors forever, the sum of.....dollars (or otherwise described the gift) and direct that the principal thereof and/or income therefrom shall be used for the following purposes, viz. (here describe the use desired).

CODICIL

Having hereinbefore made by last Will and Testament datedand being of sound mind, I hereby make, publish, and declare the following codicil thereto; (here insert clause in same form as if it had been included in the body of the Will). Except as hereinbefore changed, I hereby ratify, confirm and republish my said last Will and Testament.

SCHOLARSHIPS, FELLOWSHIPS, LOANS, AND STUDENT EMPLOYMENT

The College offers financial assistance in the form of scholarships, fellowships, grants-in-aid, loans and student employment to deserving students who wish to defray a part of their total college expenses. Inquiries and applications for financial assistance should be submitted to the Director of Student Aid. Students in residence who wish to apply or re-apply for aid must do so prior to May 1 of the session preceding the one for which they hope to obtain aid. Entering students must present their applications before July 15 of the year they expect to enter the College.

SCHOLARSHIPS

All awards, unless otherwise stated, are based on academic achievement, character, and financial need as determined by the College Scholarship Service. Entering students seeking financial assistance are required to submit a copy of the Parents' Confidential Statement form to the College Scholarship Service, designating the College of William and Mary as one of the recipients, by July 15. This form may be obtained from a secondary school or the College Scholarship Service. An additional form is required for all scholarship applications and may be obtained by request from the Director of Student Aid after the student has received his notification of acceptance from the Dean of Admissions.

Scholarships are awarded for one year only, but may be renewed for each succeeding year. In order to renew a scholarship for the following year, it is necessary that the holder re-apply to the Director of Student Aid by May 1. The minimum academic requirement for renewal is a quality point average of 1.0 for the school year. In addition, the student must have a good conduct record and give evidence of continued financial need.

Scholarships are available to able and deserving men and women residents of Virginia. A limited number of scholarships are

also available to out-of state male residents. Some of the scholarships open to undergraduate students are described below:

1. Unfunded Scholarships valued up to \$200 each for an academic year. These scholarships are available to Virginia students who meet the qualifications of scholastic achievement, character, and need.
2. Thomas Ball Scholarship Fund, established to aid students from Tidewater Virginia and particularly from the Northern Neck of Virginia. These awards vary from \$100 to \$500 for an academic year.
3. Cary T. Grayson Scholarships valued up to \$200 for an academic year. These scholarships are available to men students, Virginians and non-Virginians alike.
4. The Greene Scholarships, valued from \$100 to \$500 per academic year, available on the basis of scholastic excellence. To be eligible the applicant is expected to be in the upper third of his senior class in secondary school.
5. The Cromwell Scholarships, valued from \$100 to \$300 per academic year, awarded on the bases of academic excellence and need.
6. Teacher Training Scholarships are available to students who are residents of Virginia and plan to teach in the Virginia Public Schools. These scholarships are valued at \$350 per academic year. Address all inquiries to Dean Howard Holland, School of Education.
7. Science Contest Scholarships. Eight awards made annually to entering Virginia male students on basis of competitive written examination in each of four fields: biology, chemistry, mathematics, and physics. The first place award in each field is valued at \$500 for the session; the second place award in each field is valued at \$300 for the session. These scholarships are renewable for three succeeding years if the recipient achieves a creditable record.
8. Modern Language Scholarships. The Modern Language Association of Virginia conducts a yearly tournament in French and Spanish in the high schools of Virginia. The College of William and Mary offers two scholarships of

\$100 each, one for French and one for Spanish. These scholarships are open to men only.

9. Latin Tournament Scholarships. The Virginia Classical Association conducts annually a Latin Tournament for Virginia high school students. The College of William and Mary offers one scholarship valued at \$200 to a senior winner in one of the several classes of entrants in this tournament. The scholarship is renewable after the freshman year, if the recipient achieves a creditable record.

FOREIGN EXCHANGE SCHOLARSHIPS

University of Exeter Scholarship. The College of William and Mary has entered into an agreement with Exeter University for an annual exchange of students. Under the plan the College of William and Mary will each year send one of its outstanding students abroad for a year's study at Exeter University, and a student from Exeter University will come to the College of William and Mary for the same period. All college fees (tuition, registration, room and board) will be waived for the exchange student who will live in one of the Residence Halls of Exeter University. The Exeter University Scholarship is open to students who are about to enter their junior year or who are members of the graduating class.

Drapers' Company Scholarship. Each year an outstanding graduate of William and Mary will be selected by the College for a two-year period of study at Oxford, Cambridge or at another British university. This is made possible by an agreement between William and Mary and the Drapers' Company of London. In exchange a British student, preferably from Bancroft's School, will be selected by the Drapers' Company for a two-year period of undergraduate study toward a Bachelor's degree at the College of William and Mary. This exchange program will provide the cost of tuition and living expenses for each student.

FINANCIAL AID FOR GRADUATE AND PROFESSIONAL STUDENTS

The Department of Biology offers for each academic session several graduate assistantships of \$1,800 each plus applicable tui-

tion. In addition, there are NSF Traineeships up to \$2,500 per year. Several research assistantships with stipends of \$2,400 to \$3,000 each for twelve months are also available. Students holding these research grants will be assigned projects on a half-time basis.

The Departments of Business Administration, Chemistry, and the School of Education offer several assistantships of \$1,800 plus applicable tuition on an academic session basis.

The Department of History offers a number of assistantships of \$1,800 or \$2,000 each plus applicable tuition and three \$2,000 fellowships in its Master of Arts and Doctor of Philosophy programs. It also offers three apprenticeships of \$2,000 each plus applicable tuition in the combined Master of Arts and Historical Administration program. Fellowships of lesser amounts sponsored by the National Society of the Colonial Dames in the Commonwealth of Virginia and the Society of the Cincinnati also are available to graduate students in history.

The School of Marine Science makes available research assistantships to students working in the Virginia Institute of Marine Science at Gloucester Point, Virginia. These research assistantships carry a stipend of \$200 per month on a twelve-month basis.

The Marshall-Wythe School of Law has a number of scholarships available to eligible students. Three W.A.R. Goodwin Scholarships valued at \$3,000 each over a three-year period are available to entering students, and numerous Goodwin Grants valued at \$500 each are awarded to upperclassmen on the basis of need and academic achievement. The Matthew Gault Emery Law Scholarship and the Paul M. Shapiro Memorial Scholarship are valued at \$300 each. The Law and Taxation Scholarship is valued at \$500.

The Department of Mathematics offers two fellowships of \$1,500 each, and a number of assistantships valued at \$1,800 each plus applicable tuition per academic session.

The Department of Physical Education for Men offers assistantships of \$1,800 plus applicable tuition on an academic session basis.

The Department of Physics offers two fellowships of \$2,000 for the academic session, and several graduate assistantships of \$1,800 each plus applicable tuition for the academic session. Available also are research fellowships valued at \$3,500 each on a twelve-month basis. Students holding these grants will be assigned laboratory or research work. Graduate fellowships providing various stipends are available. These include NSF and NASA Traineeships and General Atomic Fellowships. Summer fellowships paying up to \$600 are also available to graduate teaching assistants.

The Department of Psychology offers a work-study plan which combines clinical and experimental psychology. Participants in this program work half-time at Eastern State Hospital in Williamsburg for which they receive a stipend of approximately \$2,000 a year. The Department offers also two graduate assistantships valued at \$1,800 each plus tuition for the academic session. The Department also makes available tuition fellowships.

MERIT SCHOLARSHIPS

The Merit Scholarships are awarded on the basis of academic achievement to the ranking undergraduate scholars of the College and are not available to entering students.

Each of these scholarships exempts the student from tuition fees to the extent of \$75.00 (if the recipient is a Virginia resident), or \$100.00 (if the recipient is not a Virginia resident), except that the Elisha Parmele Scholarship and the William Arthur Maddox Scholarship amount to \$100.00 and \$75.00 respectively, regardless of residence.

One-half of the scholarship is credited to the student's account at the beginning of the first semester and one-half at the beginning of the second. Failure to remain in residence at the College for the second semester forfeits one-half the value of the scholarship.

Award

Donor or Source

HENRY EASTMAN BENNETT	Loren Eastman Bennett, Mrs. Henry E. Bennett, and Mrs. William George Guy
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<i>Award</i>	<i>Donor or Source</i>
GEORGE BLOW	Captain George P. Blow
PRESIDENT BRYAN	Friends of the College of William and Mary
"KING" CARTER	Founded by Robert Carter, revived through the efforts of Mrs. Malbon G. Richardson
CHANCELLOR	High Blair Grisby
JOHN ARCHER COKE	John Archer Coke and Mrs. Elsie Coke Flanagan
EDWARD COLES	Mary Roberts Coles and Mrs. George S. Robins
CORCORAN	W. W. Corcoran
JACKSON W. DAVIS	General Education Board of the Rockefeller Foundation and Friends of the College
GRAVES	Rev. Dr. Robert J. Graves
ROBERT W. HUGHES	Robert M. Hughes, LL.D.
JOSEPH E. JOHNSTON	Robert M. Hughes, Jr.
JOHN B. LIGHTFOOT	Mrs. Mary Minor Lightfoot
MARY MINOR LIGHTFOOT	Mrs. Mary Minor Lightfoot
WILLIAM ARTHUR MADDOX	Susie W. Maddox
ELISHA PARMELE	United Chapters of the Phi Beta Kappa Society
JOSEPH PRENTIS	Judge Robert R. Prentis
JOHN WINSTON PRICE	Starling W. Childs
SOUTTER	James T. Soutter

GENERAL SCHOLARSHIPS

<i>Award</i>	<i>Donor or Source</i>
ALUMNI	Society of the Alumni
THOMAS BALL FUND	Mrs. Alfred I. (Jessie Ball) duPont
BOOTH-BINNS FUND	Arbella Booth Binns
CHRISTOPHER BRANCH	Blythe Walker Branch
J. BRUCE BREDIN	J. Bruce Bredin
BELLE S. BRYAN	John Stewart Bryan
JOHN STEWART BRYAN FUND	Mrs. Lettie Pate Evans

*Award**Donor or Source*

HARRY LEE CARTER	Harry Lee Carter
J. A. C. CHANDLER MEMORIAL	Board of Visitors of the College of William and Mary
JOHN CLOPTON AND JOHN BACON CLOPTON	Mrs. Maria Clopton Jackson
BETTY RUTH CODDINGTON MEMORIAL	Alpha Chi Chapter of Gamma Phi Beta
COGGIN	Mr. and Mrs. William B. Coggin
RUSSELL MILLS COX, JR. WAR MEMORIAL	Dr. Russell M. Cox and Harry Duf- field Cox, '43
CROMWELL	William N. Cromwell
CHANCELLOR DARDEN SCHOLARSHIP AND LOAN FUND	Mrs. Colgate W. Darden, Jr.
DELTA DELTA DELTA	Alpha Mu Chapter of Delta Delta Delta
EARLY VIRGINIA HISTORY FELLOWSHIP	Order of First Families of Virginia
EDUCATIONAL OPPORTUNITY GRANTS	United States Department of Health, Education and Welfare and Col- lege of William and Mary
LETTIE PATE EVANS	Lettie Pate Evans Foundation
CARL A. FEHR MUSIC	William and Mary Choir and Friends of Carl A. Fehr
JUNIUS BLAIR FISHBURN FRIENDS	Junius Blair Fishburn Friends of the College of William and Mary
GENERAL FUND	Board of Visitors of the College of William and Mary
ANNE GOFF	Mrs. Anne B. Goff
ADMIRAL CARY T. GRAYSON	Anonymous
GREENE	Mr. and Mrs. William H. Greene
HIBBARD MEMORIAL	Captain and Mrs. R. C. Hibbard
IRVIN MEMORIAL	Miss Annie B. Irvin
LAMBDA CHI ALPHA MEMORIAL	Epsilon Alpha Zeta Chapter of Lambda Chi Alpha
LANGHORN-PUTNEY MEMORIAL	Eugenie D. Turnage

<i>Award</i>	<i>Donor or Source</i>
LAWSON SHELTON	Cheadie Burch Lawson
EDITH NORMENT LUMBYE	Mrs. Virginia N. Potts
MEMORIAL ENDOWMENT FUND	J. Gordon Bohannon
RICHARD LEE MORTON	Faculty, Students and Alumni
THOMAS BALL MONTAGUE	Mary W. Montague
GUY LELAND OVERAKER	Friends of Guy Leland Overaker
MEMORIAL PAN-HELLENIC	Pan-Hellenic Council of the College of William and Mary
PI KAPPA ALPHA	Robert M. Hughes, LL.D.
JOSEPH SCHOOLFIELD POTTS, JR.	Mrs. Virginia N. Potts
PRENTICE-HALL DRAMATIC SECOND WORLD WAR	Mrs. Anna Bell Koenig Nimmo
BERTEL RICHARD RASMUS- SEN WAR MEMORIAL	Mrs. Anna Bell Koenig Nimmo
MARY BOYD RYLAND	Mr. and Mrs. Bertel Rasmussen
MARTHA WALLER SAUNDERS	Archie Garnett Ryland
OSCAR F. SMITH MEMORIAL	Alice La Villon Saunders
REX SMITH JOURNALISM	Oscar F. Smith
SOCIETY OF THE CINCIN- NATI FELLOWSHIP IN HISTORY	Friends of Rex Smith
TEACHER TRAINING SCHOLARSHIPS	Society of the Cincinnati in Virginia
TYLER-CHANDLER	The General Assembly
UNFUNDED	Class of 1920
UNITED DAUGHTERS OF THE CONFEDERACY	The General Assembly
VIRGINIA PILOT ASSO- CIATION	United Daughters of the Confeder- acy
JOHN PHILIP WAGER	Virginia Pilot Association of Nor- folk, Virginia
WASHINGTON-JEFFERSON	Board of Visitors of the College of William and Mary
	Daughters of the Cincinnati

*Award**Donor or Source*

ALEXANDER W. WEDDELL	Alexander W. Weddell
VIRGINIA WEDDELL	Mrs. Virginia Weddell
CARTER WHITE	Carter White
WILLIAM AND MARY EDUCATION FOUNDATION	William and Mary Educational Foundation

SPECIAL SCHOLARSHIPS

*Award**Donor or Source*

BORDEN	The Borden Company Foundation
LATIN TOURNAMENT	College of William and Mary
MODERN LANGUAGE	College of William and Mary
SCIENCE CONTEST	College of William and Mary

GRADUATE, PROFESSIONAL AND
CO-OPERATING SCHOOLS*Award**Donor or Source*

COLLEGE OF WILLIAM AND MARY	Massachusetts Institute of Technology
LAW AND TAXATION	J. D. Carneal, Jr.
MATTHEW GAULT EMERY LAW	Theodore S. Cox
KAPPA DELTA PI EDUCATION	Alpha Xi Chapter of Kappa Delta Pi
WILLIAM A. R. GOODWIN MEMORIAL FUND	Mrs. Lettie Pate Evans
EXETER UNIVERSITY	Exeter University and the College of William and Mary
DRAPERS' COMPANY EXCHANGE SCHOLARSHIP	Drapers' Company and College of William and Mary
PHI ALPHA DELTA LAW	George Wythe Chapter of Phi Alpha Delta
PAUL M. SHAPIRO	Family and Friends of Paul M. Shapiro

LOAN FUNDS AND SCHOLARSHIPS

<i>Award</i>	<i>Donor or Source</i>
PHILO SHERMAN BENNETT LOAN FUND	William Jennings Bryan
HOPE-MAURY LOAN SCHOLARSHIP	The Hope-Maury Chapter of the United Daughters of the Confed- eracy
NORFOLK COLLEGE ALUM- NAE ASSOCIATION LOAN SCHOLARSHIP	Alumnae Association of Norfolk College
WILLIAM LAWRENCE SAUNDERS STUDENT AID FUND	William Lawrence Saunders
WILLIAM K. AND JANE KURTZ SMOOT FUND	Fairfax County Chapter, Daughters of the American Revolution
STATE STUDENT'S LOAN FUND	The General Assembly
NATIONAL DEFENSE STU- DENT LOAN PROGRAM	United States Department of Health, Education and Welfare and The College of William and Mary

STUDENT EMPLOYMENT AND THE
WORK-STUDY PLAN

In order to coordinate work and study the College has vested control of student employment in the Committee on Scholarships and Student Employment. This supervision applies to positions on the campus as well as to jobs in the City of Williamsburg.

At the present time employment opportunities in the vicinity of the College of William and Mary are such that each student may be assured of a substantial work income. A student may expect to earn from one-fourth to three-fourths of his college expenses. Through the cooperation of Colonial Williamsburg and other business concerns, a plan synchronizing part-time employment with study has been developed

In order to maintain a proper balance between hours of employment and academic loads, the College requires that all

student employment on the campus or in the city be assigned by the Director of Student Aid. Students are cautioned not to undertake more outside work than their academic schedules will safely permit. The normal work load is fifteen hours per week, and no student may work more than twenty hours per week without permission from the Committee on Scholarships and Student Employment.

Student employment assignments are on a contractual basis. All students accepting employment are expected to meet the responsibilities of their respective jobs. Failure to do so will constitute adequate reason for the Committee to refuse further financial assistance.

The usual jobs available to students are those as waiters, clerks, salesmen, technical and manual workers, stenographers, typists, and student assistants at the College. Whenever possible, the Committee on Scholarships and Student Employment will secure for the student a job which is directly related to his intended future career or to his course of study. In every case, an effort is made to give the student a job in which he can display his interests, talents, and skills to the best advantage.

PRIZES

The Lord Botetourt Medal. An annual award to the graduating student who has attained greatest distinction in scholarship. The medal was established in 1772, and has been revived through the generosity of Mr. Norborne Berkeley.

The Blinn History Award. Established in 1965 by Laura Maryland Carpenter Blinn. This award of \$100 and a medal are given to the highest ranking senior student in history at the College.

Nathan Burkan Memorial Competition. The American Society of Composers, Authors, and Publishers offers awards of \$250 and a second prize of \$100 for the two best papers submitted by students of the Marshall-Wythe School of Law on a subject of current significance in the field of copyright law.

James Frederick Carr Memorial Cup. A memorial to James Frederick Carr, a former student of the College, who lost his life in the World War, March, 1919. The cup is the property of the College. The student winning the award has his name engraved on the cup. Awarded on the basis of character, scholarship, and leadership. Presented by Mrs. John B. Bentley.

Chi Omega Award. Twenty-five dollars awarded by the local chapter of the Chi Omega sorority to the student attaining the highest average in one of the Social Science departments.

The Educational Foundation Awards. These awards are made annually to the outstanding intramural athlete and to the outstanding intercollegiate athlete among the senior men. In making the awards consideration is given to character, leadership, scholarship and sportsmanship, as well as to athletic prowess. These awards are supported by the College of William and Mary Educational Foundation, Inc.

The Wayne F. Gibbs Award. A prize of \$25 annually shall be awarded to the best student in accounting who shall have successfully completed (or is about to complete) his undergraduate work.

The Robert L. Greene Chemistry Scholarship. This award is made annually to a junior or a senior student who is concentrating in chemistry. It is valued at \$300 for the session and is awarded upon the recommendation of the Department of Chemistry.

The William A. Hamilton Prize. A prize of \$300 established in 1938 by Charles P. Sherman, D.C.L., LL.D., as a memorial to the late William A. Hamilton, D.C.L., formerly Professor of Jurisprudence and Dean of the School of Economics and Business Administration, awarded to the student graduating in Law who shall write and submit the best essay or thesis on a subject connected with Roman Law or with Comparative Roman and Modern Law, the subject to be assigned by the faculty of the Marshall-Wythe School of Law.

James Barron Hope Scholarship. Established in 1897 by Robert M. Hughes, LL.D., of Norfolk, Virginia. It is awarded for the

best piece of creative writing published in the College magazine and written by a student below senior rank. The scholarship exempts Virginia students from the payment of \$75 in fees and non-Virginia students from \$100 in fees.

The L. Tucker Jones Memorial Prizes. These prizes are awarded annually to the outstanding senior students in the men's and women's intramural programs. In making the awards consideration is given to qualities of leadership, high ideals, and scholastic standing. These prizes are supported by the L. Tucker Jones Memorial Fund.

The Tiberius Gracchus Jones Literary Prize. Established by Archer G. Jones as a memorial to his father, Tiberius Gracchus Jones, who was in residence at the College in 1844-45. The income from the gift of \$1,000 supports a prize for the best English essay submitted by an undergraduate student. The word "essay" includes the poem, the short story, the play, the oration, and the literary essay.

Lawyer's Title Award. The Lawyer's Title Insurance Corporation of Richmond, Virginia, awards an annual prize of \$100 together with an appropriate certificate to the senior or graduating student of law in the Marshall-Wythe School of Law found by the faculty of the Law School to be most proficient in the law of real estate.

The Seidman & Seidman Tax Award. The firm of certified public accountants of Seidman & Seidman makes an annual award of a gold key on which the seal of the College is engraved, to the student in the Marshall-Wythe School of Law who, at graduation, has achieved the highest average in his courses on taxation, provided that his program included at least twelve semester hours in this field.

The Society of the Cincinnati in the State of Virginia Prizes. The Society offers each year a medal of bronze and a cash prize of \$100 to a male student, majoring or minoring in history, who submits the best essay on a subject dealing with the constitutional history of the United States, or with Virginia Colonial history. The subject must be approved by the chairman of the History Department. The essays must be submitted to him during the

first week in May. They must be typewritten, with duplicate copies, and signed with a pseudonym. The author's name together with his pseudonym should accompany each essay in a sealed envelope. No prize will be given if a paper of sufficient merit is not submitted.

Sullivan Awards. A medallion awarded by the Southern Society of New York in recognition of influence for good, taking into consideration such characteristics of heart, mind, and conduct as evince a spirit of love and helpfulness to other men and women. Awarded each year to a man and a woman from the student body and to a third person possessing the characteristics specified by the donors.

The Wall Street Journal Achievement Award. A suitably inscribed medal and a year's subscription to the *Wall Street Journal* award to the outstanding senior in the Investments course.

The William and Mary Law School Association Award. Law books to the value of \$25 are given to the student who is judged to have made the best contribution to each issue of the *William and Mary Law Review*.

PRIZES AND HONOR AWARDS

PHI BETA KAPPA

ACADEMIC YEAR, 1965-66

INITIATES-IN-COURSE

Class of 1966

WILLIAM CLINTON BALDWIN	Honaker, Virginia
EDWARD WOODSON BAPTIST	Jarratt, Virginia
PAUL JEFFREY BERNSTEIN	Milford, Connecticut
DAVID ALAN BLUMENTHAL	Norfolk, Virginia
JAMES CALVIN BREEDEN	Charlottesville, Virginia
KATHLEEN MEGAN CARR	Newport, Rhode Island
FRANCES ANN COLF	Richmond, Virginia
ROBERT WARD CONRAD	Wappingers Falls, New York
JAMES BRUCE DAVIS	Vienna, Virginia
VIRGINIA CROW GILL	Ashland, Virginia
NANCY LEE GOTWALD	Virginia Beach, Virginia
LINDA DIANE GRAY	Conover, North Carolina
SUSAN HACKNEY	Driver, Virginia
RONALD DEXTER HODGES	Roanoke, Virginia
NELSON LUTHER HOWER III	Atlanta, Georgia
CONSTANCE WREN HUDSON	Yorktown, Virginia
LORETTA PAULETTE JOHNSTONE	Alexandria, Virginia
CHARLOTTE VIRGINIA KNOOP	Baltimore, Maryland
ANNE PATRICIA McFARLANE	Newport News, Virginia
JOE DAVID PACE	Lynchburg, Virginia

DONNA JOYCE PROVINCE	Bridgeville, Pennsylvania
DERRIS LEA RAPER	Chesapeake, Virginia
URSULA VIRGINIA RIDDICK	Washington, District of Columbia
PHILIP THOMAS SHEPARD	Arlington, Virginia
WILLIAM EDWARD SLAUSON	Williamsburg, Virginia
WENDY ANDERSEN STOTZ	Bristol, Connecticut
TIMOTHY JACKSON SULLIVAN	Ravenna, Ohio
SUSAN SWARTS	Williamsburg, Virginia
SHEILA ANN THIBEAULT	Richmond, Virginia
FRANK MILLER TURNER	Wilmington, Ohio
DENA-KAY EVANS WADE	Newport News, Virginia
ALAN WHITCOMB WHITE	Brockton, Massachusetts

Class of 1965

VIRGINIA STUART PROSISE	Annandale, Virginia
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From the Faculty

HAROLD LEES FOWLER	Williamsburg, Virginia
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AWARDS AND PRIZES, 1965-66

The Lord Botetourt Medal: FRANK MILLER TURNER, Wilmington, Ohio.

The James Frederick Carr Memorial Cup: PAUL JEFFREY BERNSTEIN, Milford, Connecticut.

The Algernon Sydney Sullivan Awards: WILLIAM ROGER HEINS, Miami, Florida; DOROTHY BRUCE EDEL, Towson, Maryland.

The Tiberius Gracchus Jones Literary Prizes: DONALD HUGH CAVE, Warwick, Rhode Island; CHARLENE ANNE BARNES, Burke, Virginia.

The Laura Maryland Carpenter Blinn History Award: FRANK MILLER TURNER, Wilmington, Ohio.

The Society of the Cincinnati in the State of Virginia: DERRIS LEA RAPER, Chesapeake, Virginia.

The James Barron Hope Scholarship Award: PAUL NORMAN CHRISTENSEN, Williamsburg, Virginia.

The Student's Medal of the American Institute of Chemists: GLENN THOMAS TODD, Arlington Virginia.

The Robert L. Green Chemistry Award: HUGH BENTON DOUGLAS, JR., Hopewell, Virginia.

The Alpha Lambda Delta Award: KATHLEEN MEGAN CARR, Newport, Rhode Island.

The Chi Omega Award: PATSY MARIE DICKINSON, Mineral, Virginia.

The Pi Delta Epsilon Medal of Merit Awards: ROBERT EDWARD GATTEN, JR., Lexington, Kentucky; JUDY BETH ENTLER, Bristol, Virginia.

The Wayne F. Gibbs Award: RONALD DEXTER HODGES, Roanoke, Virginia.

The Seidman and Seidman Tax Award: ALAN DOUGLAS MACDONALD, Chicopee Falls, Massachusetts.

The Lawyer's Title Award: ALAN DOUGLAS MACDONALD, Chicopee Falls, Massachusetts.

The Wall Street Journal Student Achievement Award: RONALD DEXTER HODGES, Roanoke, Virginia.

MERIT SCHOLARSHIPS AWARDED, 1966-67

Chancellor: RANDALL THERON BELL, Columbia, South Carolina.

Elisha Parmele: HELEN MARIE HUDSON, Stony Creek, Virginia.

Joseph Prentis: KATHERINE YVONNE PETERS, Hampton, Virginia.

George Blow: FRANCES ANNE ZWENIG, Arlington, Virginia; ERNEST JOHN DONEHOVER, Wilmington, Delaware.—Tie

Joseph E. Johnston: ARTHUR LEE BOWLING, Lynchburg, Virginia

John Archer Coke: JUDITH ANN ALGATT, Salisbury, Maryland.

Robert W. Hughes: DIANA BAROCCO, Elkland, Pennsylvania.

Edward Coles: JOHN MORGAN ROBINSON, Gastonia, North Carolina.

"King" Carter: JOHN MALCOLM MUELLER, Springfield, Virginia.

Corcoran: JANICE DIANA KOERNER, Falls Church, Virginia

Soutter: JUDY ELLEN BANKS, Florence, South Carolina.

Graves: ROSE FRANCES CONNELLY, North Abingdon, Massachusetts.

John B. Lightfoot: RONALD EVERETT BENSTEN, Newport News, Virginia.

Mary Minor Lightfoot: PATRICIA MARIA GRACIAN, Spencer, West Virginia.

John Winston Price: BETSY ANN PORTER, Newsoms, Virginia.

William Arthur Maddox: PATRICIA ANN CARLSON, Norfolk, Virginia.

Henry Eastman Bennett: LOUISE JESSICA HUDGINS, Mathews County, Virginia.

President Bryan: MIRIAM SUE HUBER, Rustburg, Virginia.

Jackson W. Davis: JUDITH LEE KRONE, Arlington, Virginia.



The Lord Botetourt Medal

DEGREES CONFERRED

Regular Session 1965-1966

BACHELORS OF SCIENCE

WILLIAM MORRIS ANDERSON, JR.	Richmond
MARY SHERMAN BAKER	Arlington
EDWARD WOODSON BAPTIST	Jarratt
DAVID ALAN BLUMENTHAL	Norfolk
WILLIAM RALPH BOONE	Hopewell
DOROTHY DEE BOREN	San Antonio, Texas
FRANK EMORY BORLESKE	West Friendship, Md.
THOMAS CLEAGE BROWNE	Williamsburg
CAMILLA MARIE BUCHANAN	Roanoke
BRUCE THEODORE CAINE	Garden City, N. Y.
GENE FREDRICK CERVI	Yorktown
*JAMES ROSS CHAMBERS	Williamsburg
MELROSE DEBNAM CHAPPELL	Virginia Beach
JAMES GARY CHOCKLETT	Lynchburg
JAMES HALBERT CIBELLA	Bethel Park, Pa.
*CHARLES R. CLARK	Trumbull, Conn.
CHERYL LEE CORBELL	Roanoke
MICHAEL JEFFREY DAINER	Union, New Jersey
THOMAS WILSON DAUGHERTY	Rochester, Minn.
JAMES BRUCE DAVIS	Vienna
DONNA CAROL DAY	St. Petersburg, Fla.
LYNN ALLEN DIEVENDORF	Gouverneur, N. Y.
MILES LANE DONOVAN	Weymouth, Mass.
LARRY WADDELL DOSIER	Richmond
HUGH BENTON DOUGLAS, JR.	Hopewell
JAMES SPENCER DRYDEN, JR.	Bethesda, Md.
DELORES JEAN ELLIOTT	Phenix
ROBERT LAWRENCE ESKAY	Salem, Ohio
JOEL ALEXANDER FONTAINE	Upper St. Clair, Pa.
ROBERT EDWARD GATTEN, JR.	Lexington, Ky.
JOHN WHEELER GERACE	Washington, D. C.

*Degree Requirements Completed Prior to June 10, 1966.

JOHN MICHAEL GRANVILLE
LINDA DIANE GRAY

High Honors in Psychology

STUART MICHAEL GREENWOOD
THOMAS EDWARD HANK
JOHN LEROY HARRIS, JR.
WILLIAM CHARLES HARRIS
JOHN HOPKINSON III
GEORGE NELSON HOWE, JR.
NELSON LUTHER HOWER III
DOROTHY MAY HUTTON
ANDREW C. JACOBS
JOSEPH WESLEY JEFFRIES
KATHRYN LOUISE KANE
JUDITH ANN KINSINGER
*BETTY RHENÉ LANE
RANDOLPH EWING LANFORD
ALFRED WILLIAM LEBOLD
KATHERINE LEWIS
KENNETH FRANCIS LEY, JR.

Honors in Psychology

JUDITH ANN LOCKRIDGE
*IVAN STEPHEN LOWENTHAL
JAMES HERBERT MACK
RICHARD WILLIAM MACNAMEE
RONALD MATTHEW MARTIN
MARY LOU MAYS
WILFRED PARKER JOSEPH MCCALL, JR.
MARTHA ANNE MILLER
CHARLES NOTTINGHAM MOORE, JR.
DOUGLAS A. MOORE
WILLIAM C. MOORE
GAIL ANNE MORGAN
WILLIAM SHAKESPEARE MORRISON, JR.
*JOANN BATTEN NORRIS
JENNIE ROBERTS NOTTINGHAM
SANDRA PAIGE ODUM

Newport News
Conover, N. C.

King William
Newport News
Woodbridge
Virginia Beach
West Hartford, Conn.
River Edge, N. J.
Atlanta, Ga.
Newport News
Saugerties, N. Y.
Chincoteague
Williamsburg
Williamsburg
Biloxi, Miss.
Palmyra
Waretown, N. J.
DeWitt
Suffolk

Lynchburg
Long Beach, N. Y.
Stamford, Conn.
Havertown, Pa.
Cedar Grove, N. J.
Arlington
Williamsburg
Abingdon
Disputanta
Alexandria
Disputanta
Springfield
Fredericksburg
Smithfield
Nassawadox
Abingdon

*Degree Requirements Completed Prior to June 10, 1966.

CARNEY COOPER PEARCE III
 JETHRO HASLETT PILAND, JR.
 DONNA JOYCE PROVINCE

Honors in Psychology

MARJORIE ANNE RANKIN
 RONALD ELWOOD REDMON
 GLENN HARLOW REIBSAMEN, JR.
 NANCY CAROL RHODENHIZER
 KAY RODGERS
 EARL DAVID ROSS
 STANLEY GERSON ROTHENBERG
 THOMAS FRANCIS RYAN
 *KATHRYN BRIGHT SASSAMAN
 MARY ESTHER SHERMAN
 ROBERT BRIAN SIGAFOES
 WILLIAM EDWARD SLAUSON
 EARLENE BERYL SLAYTON
 RICHARD HARRISON SMITH, JR.
 FRANK HOUSTON SUCHOMEL II
 SHEILA ANN THIBEAULT
 CAROL L. THOMAS
 CATHY B. THOMSON
 GLENN THOMAS TODD
 NANCY ELIZABETH WALRATH
 JOHN DANIEL WALSTAD
 TIMOTHY JAMES WALTER
 JEANNE DAUPHIN WEBER
 WALTER RUDOLPH WENK, JR.
 ALAN WHITCOMB WHITE
 GAIL TENNILLE WILLIAMS
 MARY KAREN WILLIAMS
 LIANE LINDSEY WITTMUS
 BIZHAN MOHAMMED ZARNEGAR

Petersburg
 Holland
 Bridgeville, Pa.

Roanoke
 Alexandria
 Chester
 Lynchburg
 West Chesapeake
 Chincoteague
 Richmond
 Hampton
 Williamsburg
 Lynchburg
 Williamsburg
 Williamsburg
 Newport News
 Salisbury, Md.
 Boydton
 Richmond
 Aylett
 Lancaster
 Alexandria
 Blacksburg
 Princeton, N. J.
 Poland, Ohio
 Fredericksburg
 Alexandria
 Brockton, Mass.
 Springfield
 Pembroke
 Alexandria
 Arlington

BACHELORS OF ARTS

ALICE CAROLYN ADAMS
 PATRICIA ANNE ADAMS

Richmond
 Charlottesville

*Degree Requirements Completed Prior to June 10, 1966.

EMMA DORCAS AKENS
 *ERWIN McDOWELL ALEXANDER
 PATRICIA ANN ALEXANDER
 CORNELIA CARGILL ALLEN
 MARILYN FAYE ALLEN
 ELLEN BARR ALLISON
 GEORGE R. ALPHIN
 CYRUS WALTON AMAN, JR.
 HEATHER ANN ANDERSON
 ROBERT HILTON ANDERSON
 ALICE VIRGINIA ANNON
 WILLIAM HENRY ANTHONY, JR.
 LINDA LUGENIA AREY
 JAMES WILLIAM ARMENTROUT, JR.
 CHARLES JEFFERY ARNOLD
 KAREN LEE ATKINSON
 ROBERT FRANCIS AUDLEY
 MAUREEN ELIZABETH BABER
 THOMAS WARREN BAKER
 DAVID GLADDING BALDWIN
 WILLIAM CLINTON BALDWIN

Highest Honors in History

CELIA ELAINE BANNERMAN
 CHARLENE ANNE BARNES
 DELHA HERRICK BARWICK
 VICTOR ALEXANDER BARY II
 RODGER ALAN BATES
 WALTER RANDOLPH BEALES III
 JANET LESLEY BEASLEY
 JAMES MONROE BECKER
 MATTHEW ROGER BEEBE, JR.
 WALTER J. BEMBENISTA
 JOHN ALLEN BENEDICT
 PAUL MICHAEL BENNETT
 WILLIAM CHARLES BAYARD BERGHAUS
 PAUL JEFFREY BERNSTEIN

Honors in History

Glen Burnie, Md.
 Lenoir, N. C.
 Fork Union
 Jackson, Miss.
 Ladysmith
 Draper
 Arlington
 Bon Air
 Lancaster, N. B., Canada
 Falls Church
 Alberta
 North Andover, Mass.
 Danville
 Norfolk
 Winter Park, Fla.
 Newport News
 Arlington
 Buchanan
 Westport, Conn.
 Belmont, Mass.
 Honaker

McLean
 Burke
 Williamsburg
 Fair Lawn, N. J.
 Hillsdale, N. J.
 Boydtown
 Annandale
 Falls Church
 Lexington
 Buffalo, N. Y.
 Culver, Ind.
 Springfield
 Chatham, N. J.
 Milford, Conn.

*Degree Requirements Completed Prior to June 10, 1966.

MARY FEILD CARTER BEYER	Williamsburg
FLORENCE PARLETT BISHOP	Chesapeake
WILLIAM ROBERT BLAND	Bethesda, Md.
MARY FLORENCE BLANDFORD	Newport News
JOAN MARGARET BLATT	Williamsburg
THOMAS WALTER BLEKICKI	Reading, Pa.
HARRY MASON BOERTZEL	Arlington
ADDISON CHARLES BOGAN, JR.	Gate City
DAVID C. BONSAI	New Cumberland, Pa.
CAROL ANN BOYSEN	Arlington
ELIZABETH CARTER BRADLEY	Georgetown, Ky.
SUSAN DONNA BRAND	Arlington
JAMES CALVIN BREEDEN	Charlottesville

Honors in Economics

MARY KATHRYN BRENNAN	Rocky Mount, N. C.
MARIE-CELESTE BREWER	Springfield
*MARY FRANCES H. BRILEY	Williamston, N. C.
ARTHUR HENRY BROWN III	Lynchburg
MARY CATHERINE BROWN	Newport News
MICHAEL ALFRED BUCCI	New Castle, Pa.
ANN REBECCA BUCHANAN	Williamsburg
STEVEN ALBERT BUFFINGTON	Bluefield, W. Va.
ROGER THOMAS BURBAGE	Portsmouth
ROLLIN LEE BURNS, JR.	Cheverly, Md.
JAMES MARTIN BURROUGH	Cheltenham, England
*CARY FLOWERS BURT	Newport News
LOUISE MARROW BURWELL	Williamsburg
ROSALIND LEE BUTLER	Boyce
CHESTER JAMES CAHOON, JR.	Chesapeake
JEFFREY CALLAND CAMP	Burke
HENRY BRUCE CAMPBELL	Brooklandville, Md.
KATHERINE MARIE CARMODY	Falls Church
KATHLEEN MEGAN CARR	Newport, R. I.
JULIET MASON CARTER	Hume
DONALD HUGH CAVE	Warwick, R. I.
RONALD DEAN CHAMBERS	Lebanon, Ind.

*Degree Requirements Completed Prior to June 10, 1966.

THOMAS HOWARD CHAPMAN
Honors in Sociology and Anthropology Chester, Vt.

MARGUERITE JOY CHEATHAM
THOMAS WARREN CHRIST
SALLY ANN CHRISTIAN
ROBERT EARLE CLAPP III
Honors in History Fairfax
Bethesda, Md.
Jenkintown, Pa.
Frederick, Md.

BRIAN MEYRICK NEVILLE CLARKE
CHARLES PETER COLE
FRANCES ANN COLE
Honors in English Colchester, Essex, England
Battle Creek, Mich.
Richmond

JOHN FRANK COLE
LINDA CAROL COMBS
NANCY COVINGTON COMBS
MARGARET CONN
ROBERT WARD CONRAD
Highest Honors in Sociology and Anthropology Athens, Pa.
Roanoke
Lexington, Ky.
Arlington
Wappingers Falls, N. Y.

FLETCHER ALVIN COOKE
JAMES ARCHIE CORNETTE, JR.
KAREN ANN COTTRELL
LAWRANCE MARTINE COURT
VERNA ANNE COX
*JAMES JEFFREY CRAIG
*ROY OREN CREECH, JR.
STEPHEN KING CRITCHFIELD
THOMAS RAYMOND CROSS, JR.
THOMAS PHILLIP CULLEN
DOROTHY ANNE CURRIE
TIMOTHY JAMES CURTIS
SUE ELLEN DAFFRON
KEITH NEWCOMB DAUER
HENRY ADAMS DAVIS, JR.
JACQUELINE DAVIS
RICHARD JACOB DIAMOND
WILBURN CHARLES DIBLING, JR.
ANNE MORELAND DICKINSON
Hopewell
Newport News
Richmond
Williamsburg
Independence
Camp Hill, Pa.
Surry
Atlanta, Ga.
Oslo, Norway
Arlington
McLean
Western Springs, Ill.
Richmond
Clinton, Conn.
Roanoke
Woodstock
Churchville
East Brunswick, N. J.
Hampton

*Degree Requirements Completed Prior to June 10, 1966.

PATSY MARIE DICKINSON	Mineral
HERBERT LEE DIXON, JR.	Silver Spring, Md.
LESLIE CLYDE DOBBS	Clifton Forge
GERALD WAYNE DODD	Halifax
LEE ERWIN DOERRIES	Fair Haven, N. J.
MARY ELLEN DOWNING	Waynesboro
JOHN ALAN DREW	Metuchen, N. J.
CAROLYN ELSIE DRINARD	Richmond
SHARON LEE DRUMMOND	Cleveland, Ohio
LLOYD EARL DUCK	Carrsville

Honors in History

STANLEY ABBOT EASTMAN	Charleston, W. Va.
DOROTHY BRUCE EDEL	Towson, Md.
KAREN LYNN EFIRD	Lynchburg
CYNTHIA PAGE EHMANN	Patrick Springs
ALBERT FRANCIS ELDRIDGE, JR.	Franklin

Honors in Government

RONALD EDWARD ELIASEK	Richmond
ROBERT STEPHEN ELLIS	Haverhill, Mass.
SUSAN CLARKE EMBREY	Lovington
JUDY BETH ENTLER	Bristol
LALIE FORMAN ESKAY	Natchez, Miss.
ROBERT ELIOT FACTOR	Newton Centre, Mass.
TED RAYMOND FANSHER	Moncks Corner, S. C.
PATRICIA CAROLYN FARMER	Keeling
THEDA KAY FARMER	Pulaski
MARY RUTH FAULSTICH	Oxon Hill, Md.

Honors in Sociology and Anthropology

THOMAS FRANK FEOLA	Brooklyn, N. Y.
DONALD RALPH REED FERRISS	Arlington
ROBERT WILLIAM FESSLER	Hopewell
*GRAHAM JEROME FLOWERS	Newport News
DOROTHY SNOOK FOGLEMAN	Charlottesville
THOMAS MICHAEL FORD, JR.	Suffern, N. Y.
LOUIS ALLAN FORT	Jersey City, N. J.
DONNA KAY TRUESDELL FOX	Williamsburg

*Degree Requirements Completed Prior to June 10, 1966.

E. WILLIAM FOX	Knoxville, Tenn.
KESTER ST. CLAIR FREEMAN, JR.	Kenbridge
MARIE ELAINE FRIDENSTINE	Alexandria
DANA HUNT GAEBE	Barrington, R. I.
FRANCES JACOB GAIDIES	Williamsburg
JOHN BERNARD GAIDIES	Williamsburg
*THOMAS EDWARD GARDO	Williamsburg
JERRY LAWRENCE GARNER	Richmond
STACY F. GARRETT III	Virginia Beach
*MARSHALL STEVEN GATES	Roanoke
DOROTHY LEIGH GILBERT	Culpeper
VIRGINIA CROW GILL	Ashland
NICHOLAS JOHN GLAKAS	Bethesda, Md.
HARRY EDWIN GODSHALL, JR.	Lansdale, Pa.
NANCY LEE GOTWALD	Virginia Beach

Honors in Sociology and Anthropology

KENNETH WILSON GRAY	Boykins
DONALD GREEN	Falls Church
*MARY ELLEN GREENE	Charles City
CAROLYN CECILE GREIDER	Indianapolis, Ind.
BRUCE NYE GRIFFIN	McLean
GENE CLYDE GRIFFIN	Norfolk
WILLIAM EARLY GRIFFIN, JR.	Petersburg
FREDERICK POWELL GRILL	Bloomfield, N. J.
JAMIE HILKER GRONNING	Elkton
GRACE HAWKINS GUIN	Arlington
JAMES STEIRLING GUNN	Williamsburg
SUSAN JANE HACKNEY	Driver
KATHERINE ANNE HAGEN	Arlington
DENNIS JAMES HAGLAN	Conway, Pa.
DONALD CARLYLE HALL	Newport News
MARGARET HALL	Falls Church
PAUL WOODROW HALLMAN, JR.	Arlington
NORMAN HOWARD HALLOWELL	Alexandria
RALPH BRADLEY HANCEWICZ	West Groton, Mass.
FREDERICK OLIVER HANPETER	Arlington
EDWARD WILCOX HANSON, JR.	Virginia Beach

*Degree Requirements Completed Prior to June 10, 1966.

*MARGARET ROSE HANZLIK	Petersburg
*CARLTON PATRICK HARDY II	Williamsburg
CHARLES MONTREVILLE HARRIS, JR.	Drexel Hill, Pa.
JERRY RANDOLPH HARRIS	Staunton
SAMUEL THOMAS HARRIS III	Norfolk
WILLIAM BENTON HARRIS	Bolton, Mass.
ROY HARLAND HARTLESS	Lynchburg
LAURETTE E. HARVEY	Arlington
QUENTIN RUSSELL HATCHL	Arlington
PATRICIA COLEMAN HEATH	Arlington
JUDITH ELAINE HEIN	Alexandria
WILLIAM ROGER HEINS	Miami, Fla.
LINDA WARFIELD HELFRICH	Seaford, Del.
WILLIAM NAPOLEON HENDRICKS III	Lebanon

Honors in Ancient Languages

LETITIA HICKSON	Alexandria
CAROLYN LEAR HITT	Richmond
JOHN DOUGLAS HOAGLAND	Alexandria

Honors in History

ELMER CLINTON HODGE, JR.	Skipworth
RONALD DEXTER HODGES	Roanoke
PAUL WAVERLY HOGGE	Hampton
MARTHA MOFFITT HOLBROOK	High Point, N. C.
*GLADYS ARNOLD HOLLAND	Newport News
BOBBIE J. HOLTZMAN	Mt. Jackson
PAUL ELLIOTT HOLTZMULLER	Eaton, Ohio
KAREN HORNEJ	Coral Gables, Fla.
JOHN PHILIP HOUSTON	Gouverneur, N. Y.
*MARY LOUISE MULLEN HOVEN	Newport News
EMILY JANE HOWARD	Lexington
*DONALD H. HOWELL	Williamsburg
PATRICIA BRERETON HUBBELL	Falls Church

Honors in Psychology

CONSTANCE WREN HUDSON	Yorktown
WILLIAM CHARLES HUMPHREYS	Buffalo, N. Y.
CHRISTINA CAROL HUNT	Dahlgren

*Degree Requirements Completed Prior to June 10, 1966.

ANN ELAINE HYMAN	Lynchburg
KATHRYN LORETTA INGRAM	Richmond
WILLIAM JOSEPH ISAACS	Nickelsville
STEVEN WILLIAM JACKSON	San Francisco, Calif.
JOHN ARTHUR JACOBSEN	Erie, Pa.
ANN FARMER JEFFRIES	Virginia Beach
ELIZABETH HALL JENKINS	Williamsburg
ROBERT CALVIN JENKINS	Aulander, N. C.
ROY CLIFTON JENKINS, JR.	Burkeville
ROBIN TAMARA JENKS	Hopewell
MARGARET ANN PUGDAHL JENSEN	

Santo Domingo, Dominican Republic

HARVEY EDWARD JESTER	Arlington
CHERYL JOHNSON	Oberlin, Ohio
JERRY THOMAS JOHNSON	Arlington
LINDA ANN JOHNSON	Mineral
RICHARD AUBREY JOHNSON	Richmond
*MARTHA STEWART GRAHAM JOHNSTON	Williamsburg
LORETTA PAULETTE JOHNSTONE	Alexandria

Honors in Government

GEORGE HERMAN JONES	Dover, Del.
JOSEPHINE ANNETTE JONES	Virginia Beach
THOMAS FERRELL JORDAN	Richmond
CHARLES AUSTIN JOY	Manchester, Conn.
ROBERT PALMER KAHN	Norfolk
REBECCA RANDOLPH KELLAM	Virginia Beach
JEFFREY LUTTON KELLEY	Milmont Park, Pa.
*JEANETTE T. KELLY	Williamsburg
ROBERT JOHN KENNEDY III	Lewes, Del.
DAVID LAURENT KERN	Warminster, Pa.
SHARON COSMINSKY KERN	Falls Church
SHARON B. KETCHAM	Arlington
ROBERT WILLIAM KILEY	Winchester, Mass.
ROBERT CARROLL KING, JR.	Bowie, Md.
ANNE DOUBET KLARE	Rota, Spain
*MARY ELIZABETH KNEF	Virginia Beach

*Degree Requirements Completed Prior to June 10, 1966.

CHARLOTTE VIRGINIA KNOOP	Baltimore, Md.
<i>Honors in Sociology and Anthropology</i>	
JACK WILLIAM KNOWLES, JR.	Charlottesville
LOUISE PRICE KOEHLER	Hopewell
*JOHN DAVID KORPI	Williamsburg
*JANE CARTER T. LAIRD	Williamsburg
PATRICIA HENNESSY LAMBERT	Newport News
BARBARA ANNE LANE	Vienna
SALLYE ANN LASHLEY	Falls Church
R. JAMES LAWSEY	King of Prussia, Pa.
MARY ELLEN LAWSON	Williamsburg
*MICHAEL ALDEN LEEPER	Ashburn
KATHRYN ANN LEHMAN	Carroll, Iowa
HUGH MOORE LEICHTMAN	Arlington
BERNARD F. LEIGG	Front Royal
*W. WARREN LELAND	Richmond
MARY MICHELLE LESTER	Hopewell
BARBARA DALE LEWIS	Richmond
DARLENE MARIE LEWIS	Annandale
PAULA VIRGINIA LIPPARD	Portsmouth
*JAMES HALL LITTLE II	Columbia, S. C.
LYNN WORTHINGTON LIVELLI	New Hope, Pa.
JAMES JOHN LOFRESE	Huntington, L. I., N. Y.
WILLIAM ALLEN LOTT	Scotch Plains, N. J.
JOAN KELLEY LOWRY	Washington, N. C.
LETTY GREGG LYNN	Occoquan
MARY WILLIS LYNN	Williamsburg
STUART RICHARD LYNN	Arlington
<i>Honors in Economics</i>	
WILLIAM LESTER LYONS	Alexandria
WILLIAM PATRICK LYONS III	Dunmore, Pa.
ELIZABETH ANN MAHAN	Springfield
JUDITH GALE MALLINSON	Front Royal
<i>Honors in History</i>	
**JOHN F. MARK	Alexandria
JOHN JAY MARKLAND	Williamsburg

*Degree Requirements Completed Prior to June 10, 1966.

**Degree Requirements Completed June 4, 1965.

PHILIP STEWARD MARSTILLER
 BONNIE LEE MAYO
 NANCY JANE McADOO
 DAVID OLIVER McCANN
 JAMES JOHN MCCARTHY
 JOHN RHODES MCCARTHY
 MICHAEL R. McENTIRE
 GENEVIEVE McFADDEN
 ANNE PATRICIA McFARLANE

High Honors in English

WILLIAM ALEXANDER McINTOSH
 JOAN LOVE McKANN
 JAMES ERGLER McNULTY, JR.
 HEATHER McTAMMANY
 RONALD A. MELTON
 MICHAEL C. MIHALAS
 CAROL EVELYN MILLER
 MICHÈLE MARIE MILLER
 REBECCA JANE MILLNER
 ALAN BOWLBY MOLLOHAN
 JAMES ROBERT MOONEY
 CHARLES McDEARMON MOORE
 ROBERT EUGENE MOORE, JR.
 JOHN ROY MORIARTY
 ANNE KENNERLY MORRIS
 BETTY JO MOYER
 RICHARD WALTER MUELLER
 KATHRYN MUNNELL
 HOWARD SPENCER MURRAY
 NANCY JACQUELINE MURRAY
 FREDERICK REED MURTAGH
 PETER MAURICE NANCE
 SELMA ELAINE NEAM
 NANCY WEBSTER NEET
 DONALD CRAIG NEILY
 *BENJAMIN GRAY NELSON
 BONNIE LOU MUDDIMAN NEWLON

Clarksburg, W. Va.
 Richmond
 Carlsbad, N. M.
 Daphne, Ala.
 Falls Church
 Melrose, Mass.
 Silsbee, Texas
 Cades, S. C.
 Newport News

Richmond
 Franklin
 Pittsburgh, Pa.
 North Scituate, R. I.
 Pulaski
 Norfolk
 Fairfax
 Edwardsville, Ill.
 Annandale
 Fairmont, W. Va.
 Richmond
 Williamsburg
 San Francisco, Calif.
 Fern Park, Fla.
 Salisbury, Md.
 Powhatan
 Galesburg, Ill.
 McKeesport, Pa.
 Richmond
 McLean
 Wynnewood, Pa.
 Wynnewood, Pa.
 Arlington
 Waynesboro
 Waterbury, Conn.
 Petersburg
 Roanoke

*Degree Requirements Completed Prior to June 10, 1966.

RICHARD S. NEWLON
 EDWARD COLSTON NEWTON IV
 MICHAEL STUART NEY
 DAVID WHITE NORTON
 RICHARD CONRAD NYLANDER
 DIANNE LEE O'CONNOR
 JOHN GREGORY OLLEY
 DAVID BRUCE OLSON
 STANLEY A. OWENS, JR.
 JOE D. PACE

Honors in Economics

KAREN MAYO PADGETT
 LAWRENCE HENRY PAFFRATH
 ROBERT THOMAS PANDOLFO
 DAVID S. PARKER, JR.
 *JOHN DENNIS PARKS
 PATRICIA ANNE PATTERSON
 PATRICIA LEIGH PATTERSON
 ALEEN HARPER PEARMAN
 SHARON TEEL PERKINS
 *ROBERT W. PIERCE
 NELSON MORROW PINNEY
 FEROL FRANCISKA PISKUR
 JOSEPH C. PITT
 JOSEPH JAMES PLUMERI II
 MARGARET BETH POPKIN
 MARGARET HOLMES POTTS
 EDNA SEWELL POWELL
 MARILYN ELIZABETH PRICE
 ANNE PURTILL
 CATHERINE ELIZABETH QUIRK
 DONALD LINWOOD RALSTON
 MARTHA LEE RAMSEY
 ALICE SUE RANKIN
 DERRIS LEA RAPER

High Honors in History

ROBERT ASHBY RAWLS, JR.

Washington, D. C.
 Newport News
 Arlington
 McKeesport, Pa.
 West Acton, Mass.
 Portsmouth
 Plymouth Meeting, Pa.
 Wyckoff, N. J.
 Manassas
 Lynchburg

Williamsburg
 Natrona Heights, Pa.
 Commack, N. Y.
 New York, N. Y.
 Wyckoff, N. J.
 South Boston
 Lynchburg
 Williamsburg
 West Boylston, Mass.
 Newport News
 New Castle, Pa.
 Alexandria
 New York, N. Y.
 Trenton, N. J.
 Norfolk
 Abingdon
 Smithfield
 Decatur, Ga.
 Glastonbury, Conn.
 Richmond
 Falls Church
 Abingdon
 Ormond Beach, Fla.
 Chesapeake

Franklin

*Degree Requirements Completed Prior to June 10, 1966.

ELEANOR RHEA REDD	Meherrin
ELIZABETH CLARKE REED	Martinsville
MICHAEL OWEN REESE	Newport News
RALPH JAMES REINECKE	Williamsburg
ELIZABETH CLAXTON RENFROE	Martinsville
URSULA VIRGINIA RIDDICK	Washington, D. C.
<i>Honors in English</i>	

KAREN LYNETTE RINGLEY	Appalachia
ELLEN BARRETT ROBERTS	Portsmouth
BRENDA MARLENE ROBERTSON	Roanoke
JUDITH GERTRUDE ROGERS	Baghdad, Iraq
*SUSAN EILEEN ROMANS	Williamsburg
VIRGINIA NEAVES ROSE	Stony Creek
LAWRENCE B. ROSSER	Alexandria
HELEN CLARK ROUNTREE	Hampton
<i>Highest Honors in Sociology and Anthropology</i>	

WALTER JEFFERSON ROUNTREE III	Falls Church
WILLIAM F. ROUNTREE, JR.	Norfolk
ELIZABETH GAYLE SANFORD	Newport News
PENELOPE LEE SANFORD	Richmond
MORRIS RICHARD SAUNDERS, JR.	Alexandria
ROBERT W. SCHOENHUT	Collingswood, N. J.
MATHIAS JOSEPH SCHON III	Petersburg
DON PAUL SCHRANER	Prince George
PAUL WILEY SCOTT, SR.	Yorktown
DENNIS GERAN SHEA	Falls Church
SUSAN TRUEHEART SHEFFIELD	Knoxville, Tenn.
MARTIN RANDOLPH SHELTON	Yorktown
PHILIP THOMAS SHEPARD	Arlington

High Honors in Philosophy

*RICHARD F. SHEPARD, JR.	Massapequa, N. Y.
*JOHN PHILIP SHEPPARD	Trenton, N. J.
EDWARD IRWIN SHIFMAN, JR.	Newton, Mass.
JAMES M. SMART, JR.	Kansas City, Mo.
CRAIG M. SMITH	Williamsburg
DORIS MCCAULEY SMITH	Newport News

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JAMES HARRELL SMITH	Richmond
SALLY McVICAR SMITH	Hampton
WILLIAM SANFORD SMITH	Sandston
JANE LOUISE SNEAD	Fork Union
STEPHEN HOLMES SNELL	Hallowell, Me.
JOHN DELMAR SOURS	Harrisburg, Pa.
BYRON MORROW SPEER	San Marino, Calif.
SUZANNE VINCENT STAINBACK	Emporia
BETTY ANNE STATON	Lynchburg
DAVID A. STEWART	Williamsburg
RUTH ANNA STONEBURNER	Washington, D. C.
WENDY ANDERSEN STOTZ	Bristol, Conn.
<i>Honors in English</i>	

JULIA McCHREE SULLIVAN	Norfolk
TIMOTHY JACKSON SULLIVAN	Ravenna, Ohio
ANNE LOUISE SUTHERLAND	Richmond
CHRISTOPHER SUTTON	Port Washington, N. Y.
SUSAN SWARTS	Williamsburg
<i>High Honors in Government</i>	

ELIZABETH KENT SWAYNE	Norfolk
MARY KATHRYN SWEENEY	Lynchburg
PHILIP JOSEPH SWEENEY III	Opa Locka, Fla.
TIMOTHY EDWARD SWEET	Baltimore, Md.
CAROLYN JEAN SWINK	Lexington
JOHN DAVID SYKES, JR.	Boykins
DENNIS PATRICIA TAYLOR	Charlottesville
KEITH ALLEN TAYLOR	Vienna
GUY TEMPLE	Chester, England
DEBORAH ANN THOMAS	Colonial Heights
MARY FRANCES THORE	Newport News
LOUISE RYLAND THORNTON	Sussex
EUGENE ROSSER THURSTON, JR.	Richmond
SPENCER L. TIMM	Little Neck, N. Y.
ROBERT EDWARD TOMES	Richmond
PETER CORNELIER TORBERT	Alexandria
DOROTHEA AGNES TRAYNOR	Baltimore, Md.

*Degree Requirements Completed Prior to June 10, 1966.

CAROLYN ANNE TUCKER
HAZEL JOHNSON TUCKER
JOHN DAVID TUDOR
FRANK MILLER TURNER

Atlanta, Ga.
Virginia Beach
Lynchburg
Wilmington, Ohio

Highest Honors in History

CAROL ANN TWIGG
RUTH DAVID URBAN
GORDON NEIL VAN GILDER
ROBERT BRENDAN VINING, JR.
RICHARD ALBERT VOS
RICHARD MORAN WACHCIC
DENA-KAY EVANS WADE
MARTIN DENIS WALSH
PATRICK JOSEPH WALSH
BARNETT KEITH WALTERS, JR.
MARY LOUISE HARDMAN MURPHY WALTON
*RUTH C. WALTON
JOHN RUSSELL WARD
SUZAN JEANNE WARD
ALBERT T. WARNER
WILLIAM BARTON WATT
JAMES STUART WATTS
ROBERT FLOYD WEEKS
WILLIAM HENRY WEILAND
MARION LOUISE WEINHOLD
LINDA SALSBUURY WEINSTEIN
MARTHA LUCAS WESSELLS

Alexandria
Williamsburg
Millville, N. J.
St. Louis, Mo.
Forest Hills, N. Y.
Mentor, Ohio
Newport News
Arlington
Arlington
Falls Church
Fairfax County
Poquoson
Virginia Beach
Charlottesville
Arlington
McLean
Roncerverte, W. Va.
Hackensack, N. J.
Quarry Heights, Canal Zone
Methuen, Mass.
Newport News
Parksley

Honors in English

CARLTON BRYAN WEST, JR.
KATHERINE HEATH WHITFIELD
THOMAS COURTNEY WHITTEN
HARRY DAY WILKINS, JR.
ROBERT H. WILLEY, JR.
GARY MURDOCK WILLIAMS
MARY JEAN WILLIAMS
PATRICIA ANNE WILLIAMS

Los Angeles, Calif.
Farmville
New Castle, Pa.
Eastville
Springfield
Jarratt
Newport News
Fairfax

Honors in English

*Degree Requirements Completed Prior to June 10, 1966.

WALLACE LEE WILSON, JR.
JOEL NORMAN ZABA

Hampton
Norfolk

BACHELORS OF CIVIL LAW

STANLEY GRAVES BARR, JR. B.A., College of William and Mary, 1962.	Williamsburg
PAUL ARTHUR BURNS B.A., Texas A&M University, 1964.	Williamsburg
ALBERT PAUL BURTON B.B.A., Old Dominion College, 1964.	Hampton
*PENELOPE DALTON COFFMAN B.A., Randolph-Macon Woman's College, 1958.	Pulaski
BRADFORD WHITEHILL COUPE B.S., University of Rhode Island, 1963.	Oakland, R. I.
WILLIAM CARTER COWARDIN, JR. B.A., Virginia Military Institute, 1963.	Newport News
*WILLIAM EDWARD CULVERHOUSE B.S., The Norfolk College of William and Mary, 1962.	Virginia Beach
EDWIN KENNETH DAY B.A., College of William and Mary, 1964.	Philadelphia, Pa.
*JOHN FRANKLIN DEAL B.S., Richmond Professional Institute, 1965.	Sandston
*GARY MAHONEY GLEASON B.A., Colgate University, 1962.	Westfield, Pa.
AUBREY GOLDBERG B.A., College of William and Mary, 1963.	Suffolk
FRANKLIN DELANO HOCHHOLZER B.S., Wisconsin State College, 1962. M.A., University of Connecticut, 1963.	Neenah, Wisc.
GUS JOHN JAMES II B.S., University of Richmond, 1962.	Danville
WILLIAM LEWIS JEFFRIES, JR. B.A., College of William and Mary, 1963.	Williamsburg
*ROBERT EDWARD KANE, JR. B.A., College of William and Mary, 1963.	Williamsburg
*STEPHEN MOCKER KAPRAL B.A., Hiram College, 1964.	Watkins Glen, N. Y.

*Degree Requirements Completed Prior to June 10, 1966.

- GORDON MARTIN KENT Altavista
B.A., College of William and Mary, 1964.
- WILLIAM ROBERT KEOWN St. Petersburg, Fla.
B.S., Stetson University, 1963.
- WILLIAM JOSEPH KUCEWICZ, JR. Williamsburg
B.A., College of William and Mary, 1962.
- ROBERT NORMAN LENT River Edge, N. J.
B.A., College of William and Mary, 1964.
- B. DEAN LORENZ Katonah, N. Y.
B.S., University of Colorado, 1962.
- ALAN DOUGLAS MACDONALD Chicopee Falls, Mass.
Bach. of Social Science, Fairfield University, 1961.
M.B.A., University of Massachusetts, 1963.
- ALBERT JOHN MAINELLI, JR. Providence, R. I.
B.A., Providence College, 1963.
- *STANLEY LEE MORRIS, JR. Newport News
Bachelor of Business Administration, Old Dominion College,
1964.
- WILLIAM ROBERTS MUNROE Williamsburg, Mass.
B.A., College of William and Mary, 1964.
- GEORGE CURTIS OVERMAN, JR. Newport News
B.A., College of William and Mary, 1963.
- THOMAS CRAWFORD PALMER, JR. Williamsburg
B.A., College of William and Mary, 1963.
- SAVERIO PERROTTI, JR. North Providence, R. I.
B.A., Providence College, 1963.
- *DANIEL DAVID PORTANOVA Trumbull, Conn.
B.A., Marietta College, 1963.
- MARCIA FAITH RACHY West Hartford, Conn.
B.A., University of Connecticut, 1963.
- WILLIAM W. RICHARDSON III West Point
B.A., College of William and Mary, 1963.
- *CHARLES HUGHLOVE RIDEOUT, JR. Newport News
B.S., Hampden-Sydney College, 1963.
- *JOHN THEODORE ROTH Silver Spring, Md.
B.A., College of William and Mary, 1963.

*Degree Requirements Completed Prior to June 10, 1966.

- *LACY LEE SCOGGIN Hampton
Bachelor of Business Administration, Old Dominion College,
1964.
- JOEL STEPHEN SHAPIRO Norfolk
B.A., College of William and Mary, 1965.
- SYDNEY STROTHER SMITH III Richmond
B.A., Richmond College-University of Richmond, 1963.
- *WINSTON GODWIN SNIDER Virginia Beach
Bachelor of Business Administration, Old Dominion College,
1964.
- *ALFRED DAVID SWERSKY Norfolk
B.A., History, Old Dominion College, 1963.
- JAMES LETCHER TUCKER Dublin
B.A., College of William and Mary, 1963.
- *JAMES MULLEN WHITE III Boykins
B.A., Washington and Lee University, 1960.
- KENNETH NICHOLSON WHITEHURST, JR. Virginia Beach
B.A., The University of North Carolina (Chapel Hill), 1960.
- HENRY WOLF Williamsburg
B.A., College of William and Mary, 1964.
- ALLAN ZALESKI Newington, Conn.
B.A., Fordham College, 1963.

MASTERS OF EDUCATION

- *SANDROS JONES AYSUE, JR. Newport News
B.A., Lynchburg College, 1951.
- LOUISE ORBAN BORDEN Sewickley, Pa.
Bachelor of Education, Duquesne University, 1963.
- WOODROW WILSON BROCK Norfolk
B.S., Sec. Educ., Old Dominion College, 1964.
- THOMAS JAY BRUMBLEY Virginia Beach
B.A., High Point College, 1962.
- ROBERT PAUL CARLSON Park Ridge, Ill.
B.A., The Monmouth College, 1957.
- MARY LINDA CARMINES Poquoson
B.S., College of William and Mary, 1962.
- PATRICIA HIGHT COPLEY Virginia Beach
B.A., Meredith College, 1960.

*Degree Requirements Completed Prior to June 10, 1966.

DAVID RAY CORLEY	Williamsburg
B.S., University of Pittsburgh, 1961.	
GRANT JONES CREEKMORE	Portsmouth
B.A., The University of North Carolina at Greensboro, 1940.	
ELIZABETH KING CROWDER	Norfolk
B.S., in Elementary Education, College of William and Mary V.P.I., 1958.	
GEORGE F. CURTIS	Hampton
B.S., in Education, Western Carolina College, 1960.	
RICHARD HARDING DAIGER	Montross
B.S., in Bus. Educ., Longwood College, 1955.	
RICHARD K. DELAUNE	Williamsburg
B.A., Louisiana State University, 1947.	
REBECCA VAUGHAN ELLSWORTH	Richmond
B.A., Meredith College, 1941.	
ROBERT HILL FLEET, JR.	Newport News
B.S., Bus. Admin., Concord College, 1951.	
JAMES MARTIN GRAHAM	Hampton
B.A., Lynchburg College, 1962.	
ETHEL NUNN GREGORY	Sandston
B.A., College of William and Mary, 1931.	
CUSTIS BLAKE GRIFFITH	Urbanna
B.A., in Ed., Mary Washington College of the University of Virginia, 1943.	
EMMA LILES GROCHMAL	Virginia Beach
B.S.—Elementary Education, The Norfolk College of William and Mary, 1962.	
*JULIAN LOUIS HOGAN	Fort Dodge, Iowa
B.A., The Creighton University, 1942.	
KAREN ALLISON HOPKINS	Virginia Beach
B.A., Wake Forest College, 1961.	
JUANITA JONES HUNDLEY	Colonial Heights
B.S., East Carolina College, 1961.	
DAVID E. JONES, JR.	Virginia Beach
B.S., East Carolina College, 1952.	
*WILL JONES III	Chesapeake
B.S., East Carolina College, 1962.	

*Degree Requirements Completed Prior to June 10, 1966.

RONALD RUDOLPH KILBOURNE	Appalachia
B.S., East Tennessee State College, 1961.	
*ROUTH ANNE BOWLES KILBOURNE	Hampton
B.S., East Tennessee State College, 1960.	
DANIEL EDWARD LANDIS	Williamsburg
B.A., College of William and Mary, 1963.	
WINSTON PURNELL LEWIS, JR.	Chesapeake
B.S., Hampden-Sydney College, 1936.	
JOSEPH DANIEL LINER, JR.	Virginia Beach
B.S., East Carolina College, 1960.	
SHIRLEY LEE MASON	Newport News
B.A., Westhampton College, University of Richmond, 1953.	
THEODORE ELMO MASTERS, JR.	Chesapeake
B.A., Richmond College, University of Richmond, 1959.	
PAUL TRAVIS MATTOX	Martinsville
B.S., College of William and Mary, 1964.	
*GRACE C. MEEKINS	Chesapeake
B.S., Elem. Educ., The College of William and Mary-V.P.I., 1959.	
JOSEPHINE QUINN MUIRE	Newport News
B.S. in Education, Longwood College, 1938.	
VIOLET BLACKMON PEELE	Newport News
B.A., Elon College, 1947.	
MARGARET SAUNDERS POWERS	Williamsburg
B.A., Alabama College, 1957.	
NANCY ANN RAMSEUR	Newport News
B.A., College of William and Mary, 1951.	
*TZINA ZWERDLING RICHMAN	Hampton
B.S. in Ed., University of Virginia, 1962.	
BERNARD LEO SCHUTTE	Richmond
B.S. in Business, Richmond Professional Institute, 1950.	
LUCILLE GRIGGS SEBREN	Norfolk
B.A., Flora MacDonald College, 1942.	
*ROBERT WILSON SIZEMORE	Highland Springs
B.A., College of William and Mary, 1964.	
WILLIAM FOSTER SKYLES, JR.	Grimstead
B.A., University of Tampa, 1963.	

*Degree Requirements Completed Prior to June 10, 1966.

ALBERT HORTON SMITH	Hampton
B.S., Virginia Polytechnic Institute, 1961.	
GEORGE L. SPAULDING, JR.	Williamsburg
B.S. in Educ., Morris Harvey College, 1958.	
JAMES CLINTON SPENCER	Virginia Beach
B.A., Elon College, 1958.	
ELEANOR STELZNER SPOHN	Virginia Beach
B.S. in Education, University of Pennsylvania, 1945.	
HELEN ARNETTE STINSON	Richmond
B.S. in Ed., Madison College, 1959.	
PAUL FRANKLIN THOMAS, JR.	Chesapeake
B.A., East Carolina College, 1959.	
DORRENCE ELTON WILKISON	Hampton
B.S., University of Maryland, 1958.	
TOMMY LEE WILLIS	Virginia Beach
B.S., Atlantic Christian College, 1958.	
*MILTON RUSSELL WOFFORD	Williamsburg
B.S., United States Military Academy, 1958.	
G. THOMAS YUNGMAN	Warwick, N. Y.
B.A., Madison College, 1963.	

MASTER OF ARTS IN TEACHING

CYNTHIA R. PEERY	Rockville, Md.
B.S., College of William and Mary, 1964.	

MASTERS OF SCIENCE

WILLIAM LYMAN GROSE	Hampton
B.S., Virginia Polytechnic Institute, 1961.	
(Physics)	
JOHN MERLE JERKE	Orlando, Fla.
B.A., The Florida State University, 1962.	
(Physics)	
JOHN JOSEPH OLIVERO	Hialeah, Fla.
B.S., The Florida State University, 1962.	
(Physics)	
*BETTY DANDRIDGE ORRICK	Oak Ridge, Tenn.
B.S., College of William and Mary, 1964.	
(Physics)	

*Degree Requirements Completed Prior to June 10, 1966.

- MILTON C. PHENNEGER, JR. Williamsburg
 B.S., The Pennsylvania State University, 1964.
 (Physics)
- WILLIAM WADE SAPP, JR. Williamsburg
 B.A., Princeton University, 1960.
 (Physics)
- FRANCIS LEWIS SCHNEIDER Mahwah, N. J.
 B.S., Davis and Elkins College, 1963.
 (Physics)
- DENNIS MICHAEL SKOPIK Bethesda, Md.
 B.S., The Defiance College, 1963.
 (Physics)
- TERRANCE H. VACHA Cleveland, Ohio
 B.S., University of Dayton, 1964.
 (Physics)
- DAVID ALONZA VAUGHN Eagle Rock
 B.S. in Physics, University of Virginia, 1964.
 (Physics)
- DOUGLAS PARKER WOODMAN Williamsburg
 B.A., Washington and Jefferson College, 1964.
 (Physics)

MASTERS OF ARTS

- RICHARD FRANCIS BARRY, JR. Norfolk
 B.S., United States Naval Academy, 1939.
 (Mathematics)
- MARVIN EDDLEMAN BEATTY III Charlotte, N. C.
 B.S. in Nuclear Engineering, The North Carolina State Col-
 lege, 1962.
 (Physics)
- *RICHARD ROY BEEMAN Los Gatos, Calif.
 B.A., University of California Berkeley, 1964.
 (History)
- DALE RALPH CALDER Fairhaven, New Brunswick, Canada
 B.Sc., Acadia University, 1964.
 (Marine Science)

*Degree Requirements Completed Prior to June 10, 1966.

- | | |
|---|--------------------|
| *D. THOMAS EASTHAM | Warsaw |
| B.A., College of William and Mary, 1963.
(Mathematics) | |
| JUNE ELIZABETH EMERSON | Akron, Ohio |
| B.S., Wheaton College, 1964.
(Biology) | |
| WILLIAM MARTIN EWALD | Norfolk |
| B.A., University of Virginia, 1964.
(Psychology) | |
| *JOAN LEE FAUNCE | Richmond |
| B.S., Mary Washington College of the University of Virginia,
1962.
(Marine Science) | |
| DAVID NEIL FERGUSON | Charlotte, N. C. |
| B.S. in Nuclear Engineering, The North Carolina State Col-
lege of Agriculture and Engineering, 1959.
(Physics) | |
| SUSAN LEE FOARD | Williamsburg |
| B.A., Salem College, 1960.
(History) | |
| PHYLLIS ANN HORNBUCKLE | Statesville, N. C. |
| B.A., Pfeiffer College, 1959.
(Psychology) | |
| JAMES ARTHUR KERWIN | Warsaw, N. Y. |
| B.S., Cornell University, 1960.
(Marine Science) | |
| RICHARD HERBERT MCCOLLUM | Pittsburgh, Pa. |
| B.S. in Comm., Washington and Lee University, 1964.
(Psychology) | |
| MARIAN LOIS MORAN | Cambridge, Mass. |
| B.A., Hunter College of the City of New York, 1964.
(History) | |
| WILLIAM LEO MORAN | Cambridge, Mass. |
| B.A. in Government, The George Washington University,
1963.
(History) | |

- NANCY LOU OBERSEIDER Petersburg
 B.A., University of Maryland, 1963.
 (History)
- *JUDITH ANNE BAKER RUTHERFORD Miami, Fla.
 B.A., William Jewell College, 1961.
 (History)
- *WILLIAM WAYNE SCOTT Chattanooga, Tenn.
 B.S., University of Chattanooga, 1961.
 (Physics)
- TERRY ANTHONY STRAETER Saint Ann, Mo.
 B.A., William Jewell College, 1964.
 (Mathematics)
- LAVONNE OLSON TARLETON Williamsburg
 B. Chem. E., Cornell University, 1957.
 (Education)
- JEN-HEN YU Taipei, China
 B.S., National Taiwan University, 1963.
 (Psychology)
- DAVID ERIC ZVERNER Gloucester Point
 B.S., The George Washington University, 1959.
 (Marine Science)

MASTER OF LAW AND TAXATION

- PETER HAYNES WHITE Hopewell Junction, N. Y.
 B.A., College of William and Mary, 1962.
 B.C.L., College of William and Mary, 1965.

*Degree Requirements Completed Prior to June 10, 1966.

DEGREES CONFERRED

Summer Session 1966

BACHELORS OF SCIENCE

WILLIAM HENRY BOLSTER	Williamsburg
GEORGE NEWTON DESHAZO	Center Cross
JOHN M. FUQUA, JR.	Hopewell
CHARLES EDWIN GOOLSBY, JR.	Petersburg
JAMES ALAN JOHNSON	Williamsburg

BACHELORS OF ARTS

PAUL LOUIS ABRAMO	Short Hills, N. J.
PAUL F. ALLARD	Falls Church
LEON JOSEPH BLY	Northumberland County
JAMES FRANCIS BOWDREN III	West Newbury, Mass.
GLENN THOMAS BRODIE	Vienna
ANTHONY JOHN BUCCINO	Newark, N. J.
NATHANIEL HARRISON BURWELL	Williamsburg
RUTH JACKSON CLARK	Newport News
PAUL A. CURRIER, JR.	Philadelphia, Pa.
DOUGLAS BARKER DANN, JR.	Alexandria
JAMES W. DICK	Phillipsburg, N. J.
RUTH ELLEN FRANKLIN	Fort Myers Beach, Fla.
JON ROBERT GABEL	Arlington
JOHN MCFARLAND GOBBLE	Short Hills, N. J.
ELAINE GERLACH GOOD	Williamsburg
WILLIAM FRANKLIN GREER, JR.	Hampton
SCOTT CONGER HERSHEY	Philadelphia, Pa.
DAVID CHRISTIANSEN HOFF	Williamsburg
LESLIE HAWKINS HOLDEN	Hampton
KATHY ROSE HOLLINGSWORTH	Lynchburg
DIANA LOUISE HUBBARD	Newport News
JUDITH ANDREA JACKSON JONES JOHNSON	West Point
VINCENT JULIANI, JR.	Wellesley, Mass.
WILLIAM H. KEEN, JR.	Brady, Texas
NORMAN E. KING, JR.	Petersburg

PATRICIA ANN LOTTINVILLE KIPPS	Williamsburg
JOHN HANCOCK KIRKPATRICK III	Richmond
PETER JAY MARSHALL	Westboro, Mass.
RODGER MILTON MASSEY	Danville
DANIEL ROBERTSON NASE III	Clearwater, Fla.
JOY HUTZEL NATHAN	Williamsburg
RICHARD EYNON NATHAN	Williamsburg
JAMES HAROLD NOE	Lexington, Ky.
HOWARD CHARLES BALDWIN NOYES	Sorrento, Me.
GEORGE DAWSON OLDHAM	Beaver, Pa.
MICHAEL L. PAGE	Alexandria
MARGARET McLAURIN PHILLIPS	Newport News
THOMAS JEFFERSON READER	St. Paul, Minn.
GARY ALAN REESE	Arlington
WALTER PHILLIP SANDIDGE	Lynchburg
BRIGITTE SCHMIDT	Williamsburg
SALLIE JANE SHWILLER	McLean
R. CRAIG SNYDER	McLean
THOMAS DEAN STIELER	Granite City, Ill.
MARY KATHERINE TALLEY	Martinsville
ELAINE SCOTT THORNTON	Springfield
JAMES MOWAT TODD	Arlington
JOSEPH RANDOLPH TURNER, JR.	Silver Spring, Md.
FRANCES MARILYN VAUGHAN	Norfolk
LAWRENCE EDWARD WALK	McKeesport, Pa.
MICHAEL GEORGE WEAVER	Easton, Pa.
SHERMAN VINCENT WHEELER	Marblehead, Mass.
RONALD ARTHUR WILLIAMS	Sanford, N. C.
WINIFRED ANN WITTEN	Williamsburg

BACHELORS OF CIVIL LAW

WILLIAM THOMAS LEHNER	Nanuet, N. Y.
B.A., College of William and Mary, 1963.	
LLOYD COLEMAN SULLENBERGER	Williamsburg
B.A., University of Virginia, 1962.	
ROBERT PAUL WOLF	Williamsburg
B.A., College of William and Mary, 1964.	

MASTERS OF TEACHING SCIENCE

- | | |
|--|--------------------|
| THOMAS EDGAR ALLSHOUSE | DuBois, Pa. |
| B.S. in Education, Clarion (Pa.) State College, 1961. | |
| (Mathematics) | |
| GEORGE ARLAN BACHMAN | Lee Hall |
| B.S., The Pennsylvania State College, 1930. | |
| M.Ad.E., New York University, 1950. | |
| (Physics) | |
| KENNETH A. BADERTSCHER | Williamsburg |
| B.S. Ed., Ohio Northern University, 1961. | |
| (Physics) | |
| JOSEPHINE CROWDER BAKER | Richmond |
| B.S. in Sec. Ed., Longwood College, 1958. | |
| (Mathematics) | |
| MILLARD ANDREW BENNER | Greenwood, Del. |
| B.S., Eastern Mennonite College, 1959. | |
| (Physics) | |
| JOSEPH JOHN BOYLE | Yeadon, Pa. |
| B.S., Saint Joseph's College, 1963. | |
| (Physics) | |
| E. CLYDE BRANSCOME | Woodstock |
| B.A., B.S., Emory and Henry College, 1939. | |
| (Chemistry) | |
| DALE BERNARD CARSON | Hollidaysburg, Pa. |
| B.S. in Ed., The State Teachers College at California, Penn- | |
| sylvania, 1957. | |
| (Biology) | |
| MATOIRA HELEN WESTERMARK CHANLEY | Parksley |
| B.A., Denison University, 1953. | |
| (Biology) | |
| HENRY JACKSON CONGER | Norfolk |
| B.S., United States Naval Academy, 1941. | |
| (Physics) | |
| WILLIAM GEORGE CONNELLY | New York, N. Y. |
| B.A., Marian College, 1959. | |
| (Physics) | |

- ROBERT WAYNE DAVIES Emmaus, Pa.
 B.S. in Education, State Teachers College (Kutztown, Pa.),
 1963.
 (Mathematics)
- THOMAS BURDETTE DAY, JR. Bridgeport, Conn.
 B.S., Bates College, 1962.
 (Mathematics)
- JANET L. GEATENS Norristown, Pa.
 B.S., Ursinus College, 1958.
 (Biology)
- BETTY WADE BLANTON JONES Petersburg
 B.S., Westhampton College, University of Richmond, 1961.
 (Physics)
- PAMELA GUY JONES Arlington
 B.S. in Ed., Madison College, 1960.
 (Chemistry)
- EDWARD HOUSTON LYNCH Rome, Ga.
 B.A., University of Virginia, 1961.
 (Physics)
- JOHN ARCHIBALD LYNCH Clio, Mich.
 B.S., Michigan State University, 1962.
 (Biology)
- ROCCO D. MANZO, JR. Canonsburg, Pa.
 B.S., Marietta College, 1959.
 (Chemistry)
- HARRY ROGER McCLAY Lucasville, Ohio
 B.S., Wilmington College, 1962.
 (Physics)
- SARA HENRY MCCOY Richmond
 B.A., Hanover College, 1957.
 M.Ed., University of Pittsburgh, 1959.
 (Physics)
- ARTHUR GLEN McRAE Ceres, Calif.
 B.S. in Phys. Educ., Montana State College, 1956.
 (Biology)
- RUTH O'CONNOR OPP Dunn Loring
 B.S., Elmira College, 1933.
 M.A. Chm., Duke University, 1936.
 (Chemistry)

- BASCOMIE K. OSBORNE Chesapeake
B.S. in Secondary Education, College of William and Mary-
Norfolk, 1960.
(Physics)
- WILLIAM EDWIN PATTON Chicago Heights, Ill.
B.S. in Ed., Illinois State Normal University, 1961.
(Chemistry)
- DAN R. QUISENBERRY Elizabethtown, Ky.
B.A. in Educ., University of Kentucky, 1961.
(Physics)
- SUSAN CALDWELL RENSHAW Philadelphia, Pa.
B.S. in Education, State College (Millersville, Pa.), 1962.
(Biology)
- CHARLOTTE FRANCES REYNOLDS Emporia
B.S., in Ed., Radford College, 1962.
(Biology)
- GAIL CARPER RUSSELL Hampton
B.A., Westhampton College, University of Richmond, 1958.
(Biology)
- ROBERT ANDREW SCHMIDT Willingboro, N. J.
B.S., State Teachers College (Trenton, N. J.), 1955.
M.Ed., Rutgers University, 1962.
(Biology)
- CHARLES CHRISTIAN SHARMAN Richmond
B.S. in Applied Science, Richmond Professional Institute,
1963.
(Chemistry)
- JANET BARNES SMILEY Yorktown
B.S., Lynchburg College, 1960.
(Chemistry)
- ELIZABETH EAKIN THOMPSON Tarrytown, N. Y.
B.S., Allegheny College, 1961.
(Biology)
- PAUL EDWARD TRANIMIELL Keokee
B.S., Lincoln Memorial University, 1961.
(Chemistry)
- GEORGE KEESEE TYLER Charles City
B.S., The Florida State University, 1962.
(Mathematics)

- RONALD J. ZINK Lakewood, N. J.
 B.A., New Jersey State Teachers College at Monclair, 1961.
 (Mathematics)
- LEON FRANKLIN ZIRKLE Woodberry Forest
 B.S. in Educ., Madison College, 1953.
 M.S. in Educ., Madison College, 1957.
 (Physics)

MASTERS OF EDUCATION

- DONALD LYON ALLEN Portsmouth
 B.S. in Design, University of Cincinnati, 1955.
- THOMAS WALTER ALLEY Virginia Beach
 B.A., College of William and Mary, 1964.
- ALICE JANE APPLGATE Hampton
 B.A. in Education, Radford College, 1963.
- PETER JAMES ATTARIAN Boston, Mass.
 B.A., Mitchell College of Long Island University, 1961.
- CAMILLE ANN ATWOOD Norfolk
 B.S., Longwood College, 1957.
- WILLIAM GORDON BASKIN Virginia Beach
 B.S., The Citadel, 1940.
- RICHARD WALTER BENDALL New Market
 B.A., Columbia Union College, 1960.
- PATRICK DALE BLAKE Portsmouth
 B.A., in Education, Fairmont State College, 1953.
- MARYLEE V. BOLING Newport News
 B.A., Westhampton College, University of Richmond, 1953.
- WILLIAM DELANO BOWLING Petersburg
 B.S., Richmond Professional Institute, 1961.
- CAROLYN BRISTOW BOXLEY Fairfax
 B.S., Madison College, 1963.
- ANNIE WILSON BROCK Norfolk
 B.A., Randolph-Macon Woman's College, 1939.
- JOY WALKER BROWNE Williamsburg
 B.A., College of William and Mary, 1964.
- JOAN THOMPSON CONWAY Stuart
 B.A., College of William and Mary, 1962.
- BERT THOMAS COPLEY Virginia Beach
 B.A., Lynchburg College, 1959.

TERESA COSTANTINO	Norfolk
Bachelor of Music, Manhattan School of Music, 1953.	
WILLIAM BEVERLY COX	Virginia Beach
B.S., Atlantic Christian College, 1961.	
LARRY RUSSELL DANIEL, SR.	West Point
B.S., Atlantic Christian College, 1962.	
ESTELLE VAKOS DAVIS	Virginia Beach
B.S. in Education, Radford College, 1951.	
WORDELL JOHNSON DAVIS, JR.	Virginia Beach
B.S., Greensboro College, 1962.	
EDWARD EARL DREW	Norfolk
B.A., Elon College, 1950.	
WARNER DuBOSE III	Norfolk
B.S. Sec. Ed., West Virginia University, 1964.	
ALICE HUFF DUNWODY	Norfolk
B.A., Mary Washington College of the University of Virginia, 1956.	
ANNE ELIZABETH EDWARDS	St. Petersburg, Fla.
B.A., Salem College, 1955.	
PATRICIA TREFRY ELLIS	Milwaukee, Wisc.
B.S. in Education, State College at Boston, 1962.	
JOHN AUGUSTINE FAHEY	Virginia Beach
B.S., University of Maryland-College Park, 1960.	
NANCY HERR FALLEN	Richmond
B.S., Mary Washington College of the University of Virginia, 1940.	
GEORGE HENRY FISCHER	Norfolk
B.A., Colgate University, 1941.	
THOMAS EARL FLAUGHER	Williamsburg
B.A., College of William and Mary, 1963.	
WOODROW HENRY FRANKLIN	Virginia Beach
B.S., College of William and Mary-R.P.I., 1954.	
CLELIA THOMPSON FREEMAN	Virginia Beach
B.S., Radford College, 1936.	
SARA POLLAK GALLANT	Richmond
B.S., Richmond Professional Institute, 1963.	
ELIZABETH BELL GILLIS	Smithfield
B.S., Virginia State College, 1947.	

- CHRISTINA KRISE GRAY Suffolk
B.A., Mary Washington College of the University of Virginia,
1955.
- RAYMOND FLETCHER GRAY Williamsburg
B.A., Elon College, 1960.
- EDITH PURVIS GREGORY Williamsburg
B.A., College of William and Mary, 1964.
- ROSANNE SCHOFIELD HAMMES Williamsburg
B.S., Temple University, 1948.
- BILL C. HELMS Newport News
B.S. in Physical Education, East Carolina College, 1957.
- JACKIE RAY HUNDLEY Colonial Heights
B.S., East Carolina College, 1962.
- RONALD A. HURLEY Arlington
B.A., Shepherd College, 1956.
M.A., West Virginia University, 1960.
- MARTIN JOEL KAUFMAN Arlington
B.A., College of William and Mary, 1964.
- VEDA HILL KNOWLES Ellsworth, Iowa
B.S. in Home Economics Education, Iowa State College,
1940.
- MARY HUMPHREY LANGSTON Hampton
B.A., Meredith College, 1949.
- MARVIN HENRY LE VINE Albany, N. Y.
B.F.A., Syracuse University, 1951.
- JOSEPH FRANK LIGART Norfolk
B.S., Secondary Education, College of William and Mary-
Norfolk, 1960.
- JEAN FRANCES LOWE Yorktown
B.S. in Education, Radford College, 1958.
- CAROLINE MACESLIN York, Pa.
B.A., Wilson College, 1959.
- ANN ATKINSON MATHEWS Norfolk
B.S. in N.E., The Catholic University of America, 1950.
- LEO MITKIEVICZ, JR. Williamsburg
B.S., College of William and Mary, 1963.
- LUCINDA CAIN MOORE Rochester, Minn.
B.A., College of William and Mary, 1965.

- WILLIAM JOSEPH NORTON Kansas City, Mo.
B.S. in Business, Indiana University, 1956.
- BOYD FREEMAN OWENS Virginia Beach
B.A., Atlantic Christian College, 1958.
- FREDERICK JOHN PAWELL, JR. Hampton
B.A., University of Maryland-College Park, 1962.
- CFCIL McCLELLAN RAWLS, JR. Virginia Beach
B.S., Soc. Stud., The Norfolk College of William and Mary,
1962.
- BENJAMIN CAM RICH Smithfield
B.A., Guilford College, 1960.
- GLORIA TYLER ROBERTSON Portsmouth
B.A., Westhampton College, University of Richmond, 1944.
- JOHN E. RUZIC Virginia Beach
B.S., Spring Hill College, 1942.
- LINDA MCPHERSON SAWYER Chesapeake
B.S. in Sec. Educ., Longwood College, 1956.
- RUTH E. SMITH Newport News
B.A., The University of Nebraska, 1948.
- MYRTLE GOODRICH SOLES Yorktown
B.A., in Ed., Madison College, 1954.
- SALLIE HAY SWISHER Newport News
B.A., Randolph-Macon Woman's College, 1964.
- JEAN ELIZABETH THOMAS Poquoson
B.S. in Ed., Madison College, 1959.
- RALPH CLINTON WALL Danville
B.A., Emory and Henry College, 1962.
- ALICE CAROLYN WALLS Indianapolis, Ind.
B.S., Butler University, 1952.
- HELEN JEWEL WHITLEY Middlesex, N. C.
B.A., Wake Forest College, 1962.
- JOYCE DUNN WILSON Norfolk
B.A., Hofstra College, 1962.
- GEORGE WILLIS YOUNG Nassawadox
B.S., College of William and Mary, 1949.

MASTER OF SCIENCE

- GERALD VINCENT BLESSING Cincinnati, Ohio
B.S., Xavier University, 1964.
(Physics)

MASTERS OF ARTS

- | | |
|--|------------------|
| JOHN NORMAN KRAETER | Holly Hill, Fla. |
| B.A., The Florida State University, 1964. | |
| (Marine Science) | |
| EVELYN CECILE MAYRAND | Surf City, N. C. |
| B.A., The Woman's College of the University of North Carolina, 1964. | |
| (Psychology) | |
| DONALD LEE PHILBROOK | Brewer, Me. |
| B.A., University of Maine, 1963. | |
| (Psychology) | |
| LEO ROGON | Richmond |
| B.S., Guilford College, 1956. | |
| (Physics) | |
| GEORGE RONALD YOUNG | Hampton |
| B.S., Virginia Polytechnic Institute, 1959. | |
| (Mathematics) | |

ENROLLMENT

Session 1966-1967

	<i>Men</i>	<i>Women</i>	<i>Totals</i>
Freshmen	486	366	852
Sophomores	399	369	768
Juniors	366	454	820
Seniors	280	272	552
BCL Candidates	157	6	163
Graduates	156	47	203
Unclassified	28	33	61
	<hr/>	<hr/>	<hr/>
	1872	1547	3419

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Session 1966-1967

Alabama	7
Alaska	1
Arizona	2
Arkansas	4
California	26
Colorado	4
Connecticut	32
Delaware	30
District of Columbia	25
Florida	19
Georgia	28
Hawaii	2
Illinois	24
Indiana	16
Iowa	6
Kansas	5
Kentucky	15
Louisiana	3
Maine	4
Maryland	83
Massachusetts	41
Michigan	16

Minnesota	6
Mississippi	1
Missouri	9
Montana	4
Nebraska	3
New Hampshire	6
New Jersey	117
New Mexico	1
New York	89
North Carolina	27
North Dakota	3
Ohio	56
Oklahoma	3
Oregon	3
Pennsylvania	150
Rhode Island	12
South Carolina	21
South Dakota	2
Tennessee	16
Texas	16
Vermont	2
Virginia	2413
Washington	3
West Virginia	17
Wisconsin	9
Arabia	1
Argentina	1
Canada	4
Canal Zone	1
China	3
Dominican Republic	1
England	6
India	1
Italy	1
Japan	2
Jordan	2
Malaya	2
Mexico	1
Puerto Rico	10
United Kingdom	1
<hr/>	
Total	3419

Summer Session 1966

	<i>Men</i>	<i>Women</i>	<i>Totals</i>
Alabama	3	0	3
Arkansas	2	3	5
California	6	7	13
Colorado	1	1	2
Connecticut	8	5	13
Delaware	3	1	4
District of Columbia	3	1	4
Florida	11	11	22
Georgia	3	11	14
Illinois	12	3	15
Indiana	3	2	5
Iowa	2	2	4
Kansas	0	1	1
Kentucky	4	2	6
Louisiana	1	5	6
Maine	1	2	3
Maryland	10	12	22
Massachusetts	7	7	14
Michigan	4	4	8
Minnesota	2	4	6
Mississippi	1	1	2
Missouri	1	0	1
Montana	0	1	1
Nebraska	2	1	3
Nevada	2	0	2
New Hampshire	3	2	5
New Jersey	25	8	33
New Mexico	1	0	1
New York	16	9	25
North Carolina	25	19	44
North Dakota	1	2	3
Ohio	13	8	21
Oklahoma	1	2	3
Oregon	1	19	20
Pennsylvania	49	0	49
Rhode Island	3	3	6
South Carolina	5	3	8
Tennessee	5	5	10
Texas	9	0	9
Vermont	1	2	3
Virginia	668	717	1385
Washington	2	6	8
West Virginia	4	1	5

	<i>Men</i>	<i>Women</i>	<i>Totals</i>
Wisconsin	5	0	5
Canada	2	0	2
England	1	1	2
Japan	1	0	1
Holland	1	0	1
Norway	1	0	1
Mexico	1	0	1
Bermuda	1	0	1
China	2	0	2
	<hr/> 951	<hr/> 882	<hr/> 1833





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